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62.03

Season of 1888.

Retail Catalogue.

H. H. Berger & Co.

ESTABLISHED 1878.

GARDEN  
SEEDS,

Plants,  
Bulbs,  
Trees,  
Etc.



ALSO

JAPANESE

TREES,

SHRUBS,  
ETC.



FIELD  
SEEDS

of every description.



315-317 Washington St.

San Francisco,  
Cal.





# To Our Friends and Customers.

HAVING lately purchased the well-known Seed House of George F. Silvester, which is the oldest and most reliable seed business on the Pacific coast, we wish to say to our customers that we will keep in stock the FRESHEST, BEST, and MOST RELIABLE seeds only. We do not send out any seeds on commission, and run no risk having those unsold returned to us at the end of the season. Our Vegetable Seeds are selected with the greatest care, and we feel assured that the purchaser will be well satisfied with the crop grown therefrom. The Flower Seeds we have in stock are imported of the best-known houses in the United States and Europe.

Our specialties for the season are the choicest of Japanese Tree, Vegetable and Field Seeds, all of them well worthy of introduction and of a trial by all interested in farming and gardening.

All Vegetable and Flower Seeds by the pound, quarter pound, ounce or packet, will be delivered by us, postage paid, and free of all expense, to any post-office in the United States. Purchasers of seeds in large or small quantities cannot fail to see the great advantages to them of this offer, as it places our store at your very door, and enables those, who live in distant parts of the country, to obtain good seeds as cheap as those who live in our large cities.

**Customers Ordering to be Sent by Freight or Express**, may deduct postage at the rate of fifteen cents per pound from our prices. When sent in this way the purchaser pays the transportation charges on receipt of seed, etc.

**Beans, Peas, Corn and Grass Seeds**, when ordered by the pound, to be sent by mail, fifteen cents per pound should be added to cover postage, except where otherwise specified.

**How to Remit Money.** Remittances of money may be sent at our risk, if forwarded according to the following directions, viz: *by Post-office Money Order, Bank Drafts or Cash sent in Registered Letter.* Money orders can now be obtained at nearly all the principal post-offices, and cost only ten cents. This mode of remittance is preferable, and is perfectly safe from loss. Letters can be registered at any post-office by placing ten cents in postage-stamps on the letter, in addition to the ordinary postage, and requesting the postmaster to register. This is safe and will be sure to reach us.

**The Safe Arrival of Seeds is Guaranteed** in all cases when orders are accompanied by remittances as above stated, and should any package fail to reach its destination, we will, on being informed, after a reasonable time has elapsed for its arrival, send again. In such cases customers will, when writing to us, please repeat the articles ordered.

**Name and Address**—Our correspondents will oblige us by writing their names, place of residence, County and State (or Territory) in full, and as plainly as possible.

When the selection of seeds is left to us, we will endeavor to give the best satisfaction.

**H. H. BERGER & CO.**

## Our Special Offer for Vegetable and Flower Seed Packages.

Six of the 5-cent packets, either Flower or Vegetable Seeds.....	for 25 cts.
Three of the 10-cent packets.....	for 25 cts.
Thirteen of the 5-cent packets.....	for 50 cts.
Seven of the 10-cent packets.....	for 50 cts.
Twenty-seven of the 5-cent packets.....	for \$1.00.
Fourteen of the 10-cent packets.....	for \$1.00.

### ARTICHOKE.

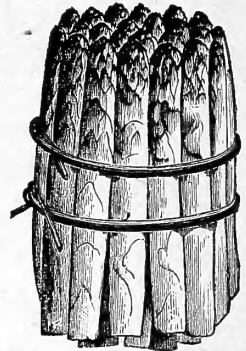


Sow early in April, in rich soil, in drills one inch deep, about twelve inches apart, and thin out the rows to four inches apart. When one year old transplant in rows three feet apart, and two feet in the rows. Protect during the winter with a covering of manure or leaves. The bed will remain in bearing for years. The fleshy substance above the stem, and the scales of the flower-head are the edible parts of this plant.

**Large Green Globe.** Largest and best for general culture. Pkt., 10c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.25; lb., \$3.50.

### ASPARAGUS.

Soak the seeds for a day in slightly warm water. Sow in fall or early in the spring, in drills one foot apart. Keep free from weeds, and in the spring of the second year, transplant into permanent beds, which may be made as follows: The ground should not be too wet nor too strong, and should have a large supply of well-rotted manure, several inches thick, laid on, and then regularly trenched eighteen inches deep, mixing well with manure. The beds should be six feet wide, with walks two feet wide. Four rows of plants should be put in each bed, and the plants twelve inches distant in the rows. The crown of each plant should be about six inches below the level of the bed. Every fall cut the stalks down, afterward give a good dressing of manure, which turn under in the spring without disturbing the roots. A slight dressing of salt in the early spring is very beneficial.



**Conover's Colossal.** Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

### BEANS—Dwarf or Bush.



Ivory Pod Wax.

**We sell packets of all varieties at 10 cts. each, and on these we pay the postage, but if larger quantities are wanted by mail, 16 cts. per lb. must be added.**

**Ivory Pod Wax.** A week earlier than the Black Wax, bearing long pods of a waxy white color, entirely stringless. Very tender, and an excellent shell bean. Pkt., 10c.; lb., 15c.

**Golden Wax.** One of the most valuable of all bush beans; earlier than any of the old wax varieties. The pods are large, long, tender and stringless. It is also good for shelled beans for winter use. Pkt., 10c.; lb., 15c.

**Black Wax.** A variety of great merit, highly recommended as a string bean; pods transparent; waxy yellow, thick and very tender. Pkt., 10c.; lb., 15c.

**German Wax, White Seeded.** Similar to the above, except that the bean is white instead of black. Pkt., 10c.; lb., 15c.



**Cleveland's Improved Early Red Valentine.** Productive, tender, succulent, and of excellent flavor; continues longer in the green state than most of the varieties. Pkt., 10c.; lb., 15c.

**Early Mohawk.** About the hardiest; will endure a slight frost, and hence valuable for first planting; productive and excellent. Pkt., 10c.; lb., 15c.

**Early China, or Red Eye.** Very early and of fine quality; seeds white, colored and spotted about the eye with purplish red. Pkt., 10c.; lb., 15c.

**Early Long Yellow Six Weeks.** Hardy and prolific; an excellent variety for general crop. Pkt., 10c.; lb., 15c.

**Refugee, or Thousand to One.** Superior to any used as a pickling bean; abundant yielder. Pkt., 10c.; lb., 15c.

### Pole, or Running Beans.

Running Beans should be planted in hills three feet apart, in a warm soil, and poles placed for the vines to climb up. Plant the Lima with the eye down.

**Large White Lima, or Butter.** Most universally grown both for market and private use. Pkt., 10c.; lb., 15c.

**Southern Prolific.** Habit vigorous, prolific, bearing till frost; pods borne in clusters; succulent, delicious. Pkt., 10c.; lb., 15c.

**Scarlet Runner.** An ornamental plant and a useful vegetable. Produces brilliant scarlet flowers. Pkt., 10c.; lb., 25c.

**French Asparagus Bean.** Very succulent and tender; pods grow to be a yard long. Pkt., 10c.; lb., 15c.

**London Horticultural, or Speckled Cranberry.** Popular old variety; large, oval, speckled bean, of excellent quality; very tender green; excellent for shelling; very productive. Pkt., 10c.; lb., 15c.

**Dutch Case Knife.** Early, productive, of most excellent quality, green or dry. Long, flat pods, and white, flat seeds. Pkt., 10c.; lb., 15c.



**BEETS.**

**Early Blood Turnip.** One of the best for general use; flesh deep blood-red, sweet and tender. Pkt., 5c.; oz., 10c.; lb., 65c.

**Extra Early, or Bassano.** Turnip-shaped. An improved early kind, small top, round root, sweet and tender; attain a very large size. Pkt., 5c.; oz., 10c.; lb., 75c.

**Egyptian Blood Turnip.** One of the earliest; of good quality and medium size; a fine forcing variety; small top. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Long Blood Red.** A standard variety; length from 10 to 14 inches, very fine quality, and an excellent keeping variety. Pkt., 5c.; oz., 10c.; lb., 75c.

**New Eclipse.** An extra early variety, globe-shaped, smooth, with small firm top; very sweet; flesh fine and dark blood color. It is very desirable on account of its extreme earliness, as well as its numerous other good qualities. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25.

**Mangel-Wurzels and Sugar Beets.**

**Long Red Mangel-Wurzel.** A large, long variety, grown for stock-feeding. It stands agood deal out of ground; color light red; flesh white and rose-colored; when quite young can be used for the table. Pkt., 5c.; oz., 10c.; lb., 50c.; 10 lbs. and over 25c per lb.

**Improved Mammoth Long Red Mangel-Wurzel.** An improved variety of the above. The roots are long, well formed, and grow mostly above ground. Pkt., 5c.; oz., 10c.; lb., 50c.; 10 lbs. and over, lb., 25c.

**Long Yellow Mangel-Wurzel.** Differing from the Long Red in color only. Pkt., 5c.; oz., 10c.; lb., 55c.

**Red Globe Mangel-Wurzel.** A large, globe-shaped variety; red; keeps well. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 55c.

**Yellow Globe Mangel-Wurzel.** Similar to the Red Globe except in color; keeps well. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Yellow Ovoid Mangel-Wurzel.** Similar to the Yellow Globe, but grow much larger size, and more of a half-long shape. Yields an enormous crop. One of the most desirable stock-feeding Mangels. Pkt., 5c.; oz., 10c.; lb., 55c.; 10 lbs. and over, per lb., 35c.

**Lane's Imperial Sugar Beet.** An improved variety of the French Sugar Beet. It has been proved to be hardier, and to contain more sugar than any other variety under cultivation. Pkt., 5c.; oz., 10c.;

Mammoth Red Mangel-Wurzel. lb. 60c.

**BROCCOLI.**

Nearly allied to Cauliflower, but more hardy. Plant early in spring; cultivate like cabbage.

**Best Early White Cape.** Heads medium size, close, compact, and of creamy white color; one of the most certain to head. Pkt., 15c.; oz., 75c.; lb., \$5.00.

**Early Purple Cape.** Differs from the preceding only in color. Pkt., 10c.; oz., 30c.; lb., \$3.00.

**BRUSSELS SPROUTS.**

Under cultivation for the small heads, which sit closely along the tall stem, very sweet, and more tender than cabbage. In our California climate they can be planted in succession throughout the year. Cultivation, *same as cabbage*. Pkt., 5c.; oz., 25c.; lb., \$2.00.



## CABBAGE.

Cabbage requires a deep, rich soil. Sow in hot-bed or in cold-frame, in the spring for early use; or they may be sown out in fall, protecting them through the winter by a covering of straw. Plant the young plants out eighteen inches by two feet apart. One ounce of seed will sow a bed of forty square feet.

**Early Jersey Wakefield—True American.** The most popular and most valuable variety, and is justly considered the best early cabbage in cultivation, and sure to head. The heads are large-sized, pyramidal in shape, having a blunted or round peak with small outside foliage. Select quality. Pkt., 10c.; oz., 30c.; lb., \$4.00.

**Early York.** A very valuable early variety. Heads small, rather heart-shaped, firm and tender, of very dwarf growth, and may be transplanted fifteen or eighteen inches apart. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**Early Large York.** Same as above, but larger heads.

**Stone Mason.** An improved variety of the Drumhead; stem short, head flat and solid. Pkt., 5c.; oz., 25c.; lb., \$3.00.

**Early Winningstadt.** A solid and tender variety; good for early and late. Pkt., 5c.; oz., 20c.; lb., \$1.75.

**Premium Flat Dutch.** Superior to any late cabbage.

With good cultivation they all are sure to head. Pkt., 5c.; oz., 25c.; lb., \$1.75c.

**Extra Early Etampes.** The very earliest to attain maturity; heads almost globular; very sweet and crisp; ought to have a place in every vegetable garden. Pkt., 10c.; oz., 35c.; lb., \$2.00.

**Marblehead Mammoth.** The largest cabbage grown. Has been known to attain a weight of from 40 to 50 pounds. Pkt., 10c.; oz., 25c.; lb., \$2.75.



Premium Flat Dutch.

**French Oxheart.** Light green, very solid heads, large size, short stem. Pkt., 5c.; oz., 20c.; lb., \$1.60.

**Fottler's Drumhead, or Brunswick Shortstem.** The very best Drum-head yet offered; heads large, tender, solid and highly flavored; very popular. Pkt., 5c.; oz., 25c.; lb., \$2.00.

**German Filderkraut.** One of the best, stands heat and drouth well. Much used in Germany for "Kraut." Pkt. 5c.; oz., 25c.; lb., \$2.00.

**Late Flat Dutch.** Favorite variety for fall and winter use; heads are large and flat; keeps well. Pkt., 5c.; oz., 20c.; lb., \$1.50.

**Early Drumhead.** Medium early; good-sized, solid heads. Pkt, 5c.; oz., 25c.; lb., \$2.50.

**Late Large Drumhead.** Excellent winter variety, with a broad, flat or round head, very compact and solid, short stump, tender and good flavored; an excellent keeper. Pkt., 5c.; oz., 25c.; lb., \$2.00.



Early Jersey Wakefield.





**Savoy, or Curly Cabbage.** Heads not quite solid; leaves curled or crinkled; very tender. Pkt., 5c.; oz., 20c.; lb., \$1.85.

**Savoy Drumhead.** Improved variety of above; sure to head; the very best for the market. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Red Dutch, or Pickling.** Medium size, very hard, oblong heads. Pkt., 5c.; oz., 20c.; lb., \$3.00.

**H. H. Berger & Co's Especial Strain of Half-early Drumhead.** One of the most reliable Drumhead varieties; heads very large and solid, flat on the top, a greenish tinge on the outside, the heart is white and crisp, stalk small, especially fine for kitchen gardens, medium

early. Pkt., 10c.; oz., 50c.; lb., \$4.00.

### CARROTS.

Sow during any of the spring months, in drills from twelve to fifteen inches apart and thin to three or four inches in the drill. Requires deep, rich, mellow soil, and thorough culture. Esteemed a most valuable root crop for feeding cattle and horses.

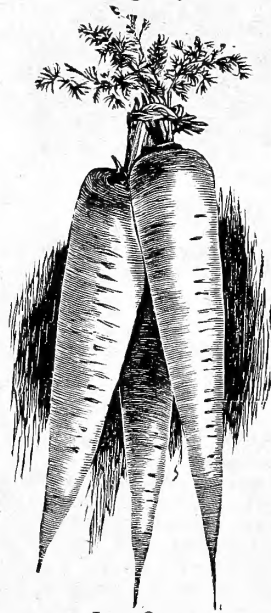
**Long Orange.** Long, smooth roots of a deep orange tint; good for table use as well as for field crop. Pkt., 5c.; oz., 10c.; lb., \$1.00; five lbs. or more, 75c per lb.

**Large White Belgian.** One of the best for stock-feeding; highly productive, roots are pure white, grows much above ground. Pkt., 5c.; oz., 10c.; lb., 75c; five lbs. and over, 60c per lb.

**Early French Forcing.** The earliest variety, root small, of delicate flavor. Pkt., 10c.; oz., 15c.; lb., \$1.50.

**Early Scarlet Horn.** Color, deep orange; fine flavor. Pkt., 5c.; oz., 15c.; lb., \$1.25; five lbs. or over, \$1.15 per lb.

**Danvers Orange, half long.** Midway between Long Orange and Short Horn; the color is a rich, deep orange; highly to be recommended. Pkt., 5c.;



Long Orange.

oz., 15c.; lb., \$1.00; five lbs. and over, 85c per lb.

**Red Altringham.** A long, deep orange-red carrot, very fine for table use as well as for field crop. Pkt., 5c.; oz., 15c.; lb., \$1.10.



Early French Forcing.

### CAULIFLOWER.

The cauliflower is classified as one of our very best vegetables. It does not require, to be grown successfully, any more care or culture than the cabbage; but to insure success it needs a very rich, moist soil. Sow the seed in a cold-frame, early in the spring, for early, or in open ground for late use; transplant to 30-inch rows, fifteen inches apart; keep well watered while heading. Bone-meal or well-rotted cow-manure are the best fertilizers.

**Early Snowball.** Extra early sort; the heads are white and tender, very compact; the variety gives the greatest satisfaction; about one week earlier than any other. Pkt., 25c.; oz., \$2.00.

**Early Dwarf Erfurt.** Very dwarf; heads pure white and solid; superior delicacy of flavor. Pkt., 25c.; oz., \$2.50.



Early Sea Foam.

**Early Paris.** Early standard variety; stock short, head compact. Pkt., 10c., oz., 75c.

**Veitch's Autumn Giant.** This variety is quite distinct from the others, the heads are large, white and very compact, the leaves are much longer than any other sort and protect the heads, keeping them a long time fit for use. Pkt., 10c.; oz., 25c.

**Le Normand's Short Stem.** Produces a very close and uniform curd, well protected by leaves, hardy and stands dry weather better than any other sort. Pkt., 10c.; oz., 75c.

### CELERY.

This favorite plant succeeds best when started in rich, mellow soil—avoid crowding the plants and keep them free from weeds. When up two or three inches, transplant to furrows—when eight to ten inches high, fill up the furrows, continuing at intervals to hill up, until fully matured and blanched. Keep the leaves firm in an upright position and prevent spreading. Partial topping when transplanting adds to the vigor and quality of the stalks.

**Crawford's Half Dwarf.** The favorite variety. When blanched it is rather of a yellowish white, and is entirely solid, possessing the nutty flavor peculiar to the dwarf kinds, while it has much more vigor of growth, surpassing most of the large growing sorts in weight of bunch. Pkt., 5c.; oz., 25c.

**Giant White Solid.** This is the most commonly grown; clear, white, solid, crisp. Pkt., 5c.; oz., 25c.

**Golden Heart.** A distinct variety, of sturdy, dwarf habit. It is solid, an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is of a light yellow, making this an exceedingly showy and desirable variety for both market and private use. Pkt., 10c.; oz., 25c.



Golden Heart.

**Sandringham Dwarf White.** Excellent variety—flavor fine, stalks solid. Pkt., 5c.; oz., 25c.

**White Plume.** This new celery is valued, because, naturally, the stalks and portions of its inner leaves and heart are white. It is ornamental, tender, crisp and of good flavor and very early. Pkt., 10c.; oz., 50c.

**Soup Celery Seed.** For flavoring pickles, soups, etc. Oz., 10c.; lb., 35c.

### CELERIAC OR TURNIP-ROOTED.

**Large Erfurt.** A variety with turnip-shaped roots, used for seasoning meats and soups. Boiled soft and dressed like potato salad, it makes a delicious dish. Pkt., 5c.; oz., 15c.; lb., \$1.25.

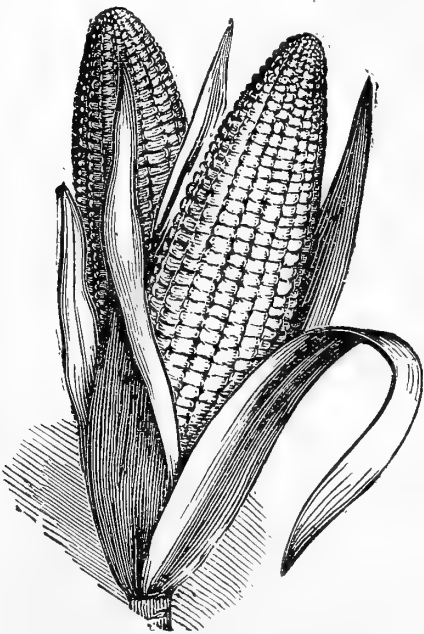
**Chervil.** A sweet aromatic plant, used as a salad while young and tender; also as parsley for seasoning soups, etc. Sow thinly early in spring in drills a half inch deep, and one foot apart; as the plants grow they may be thinned out or transplanted, if desired. Pkt., 5c.; oz., 15c.; lb., \$1.25.

### SWEET CORN.

**If ordered by Mail, 16 cents per pound must be added for postage.**

A rich warm alluvial soil is best, and immediately before planting this should be as deeply and thoroughly worked as possible. Cultivate deeply and thoroughly as soon as possible after the plants appear, and every few days until it tassels. Thorough cultivation, and warm, rich soil are the keys to success.

**Early Marblehead.** The earliest sweet corn, and best for first crop. Quality excellent; stalk very short, ears medium size with few husks; cob, red and small; heavy yielder. Pkt., 10c.; lb., 15c.



**Early Minnesota.** Very early, ears fair sized and uniform; one of the best. Pkt., 10c.; lb., 15c.

**Crosby's Early.** An excellent early variety; a great favorite; fine for canning. Pkt., 10c.; lb., 15c.

**Egyptian.** A new sort, very large and exceedingly sweet. Pkt., 10c.; lb., 15c.

**Moore's Concord.** Ears large and well filled; early and unsurpassed for richness and delicacy of flavor. Pkt., 10c.; lb., 25c.

**Stowell's Evergreen.** A late variety of excellent quality, remaining longer in the green state than any other. Pkt., 10c.; lb., 15c.

**Mammoth Sugar.** A late variety, produces ears larger than any other sort, and fine flavored. Pkt., 10c.; lb., 15c.

**Black Mexican.** A variety with black ears, said to be the sweetest of all kinds; best suited to California climate. White when suitable for cooking, but when fully ripe the tint is a blueish dark; more proof than any other variety known against the attack of worms. Pkt., 10c.; lb., 15c.

**Corn Salad or Fetticus.** Used as a salad. It is sown very early in spring, in rows one foot apart, and is fit for use in six or eight weeks from the time of sowing; large leaved. Pkt., 5c.; oz. 15c.; lb., \$1.00.

**Cress or Pepper Grass.** A well-known pungent salad. Cover very slightly; sow at frequent intervals to keep up a succession, as it soon runs to seed. Very fine; may be cut two or three times. Pkt., 5c.; oz., 15c.; lb., 60c.



## CUCUMBERS.

For an early crop sow as soon as the weather is warm, in hills about four feet apart. Put a large shovelful of well-rotted manure in each hill. Sow liberally, as the yellow bug will require a part, and it is best to have a surplus of plants. Sow for pickling from the middle of June to the middle of July. As fast as the cucumbers attain a suitable size they should be taken from the vine whether required for use or not, as any ripening on the vine soon destroys their productiveness.



Improved White Spine.

**Improved White Spine.** The best table variety, also the best for forcing; grows straight and smooth, tender and of excellent quality, and a great bearer. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Early Green Cluster.** A short, very early variety, bearing in clusters near the root. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**Early Frame.** An old and popular variety, of medium size, straight and handsome; excellent for pickling when young. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**Early Russian.** The earliest variety, small and short, very hardy and productive. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**Improved Long Green.** The standard late sort. Vines vigorous and productive, forming fruit fit for the table nearly as early as the shorter sorts; fruit about twelve inches long, firm and crisp, with very few seeds. The young fruit makes one of the best of pickles, and when ripe is the best of any for sweet pickles. Pkt., 5c.; oz., 15c.; lb., \$1.50.



White Japan.

**Green Prolific.** One of the best pickling sorts; immensely productive. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**West India Gherkin.** A very small, oval-shaped prickly variety, have somewhat the appearance of a burr. It is used only for pickling. Pkt., 10c.; oz., 25c.; lb., \$3.00.

**White Japan Cucumber.** This fine variety grows to a medium size, smooth and straight, and is of excellent quality. It is most beautiful in appearance, being pure creamy white when ripe; the small fruits are often half white, and sometimes entirely white. Pkt., 10c.; oz., 25c.; lb., \$2.00.

## EGG PLANT.

This plant should be started early in a hot bed; to be treated like tomatoes, giving them if possible even more warmth to promote rapid growth. Do not plant out before the weather is settled. Require a deep, rich soil, and a very sunny exposure. Set plants two to two and one-half feet apart.

**Early Long Purple.** Early and productive. Fruit of fine quality and superior flavor. Pkt. 5c.; oz., 30c.; lb., \$3.00.

**New York Improved Purple.** A superior market and table variety. It grows to a large size, oval-shaped, and dark purple color. Pkt., 10c.; oz., 50c.; lb., \$5.00.

**Black Pekin.** A very handsome and valuable variety, of nearly round shape, fruits of large size; skin jet black, glossy and smooth; flesh white, very solid, fine grained and delicate in flavor. Matures early and is very prolific. Pkt., 10c.; oz., 60c.

**Japan Egg Plant.** A very delicately flavored, medium-sized fruit. Prolific bearer, form almost round, skin a glossy purple-black. Pkt., 15c.; oz., 75c.



New York Improved Egg Plant.

**ENDIVE.**

**Green Curled.** The hardiest variety. Dark green, beautifully curled leaves; crisp and tender. Pkt., 5c.; oz., 20c., lb., \$2.00.

**Broad-leaved Batavian.** Has broad, thick leaves. Fine for soups and stews. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**KALE OR BORECOLE.**

This vegetable forms a mass of tender, curled leaves, very delicate flavor. Same culture as cabbage.

**Tall Green Curled Scotch.** Dark green curled leaves. Pkt., 5c.; oz., 25c.; lb., \$2.00.

**German Dwarf.** Dwarf habit, excellent. Pkt., 5c.; oz., 25c.; lb., \$2.00.

**KOHL-RABI.**

A vegetable similar to both turnip and cabbage as the name indicates, "cabbage-turnip." Cultivation same as ruta baga. Is a very fine vegetable for table use—cooking the turnip-shaped root and the upper tender leaves separately before serving. One ounce of seed will produce about 2,000 plants.

**Early White Vienna.** Early, dwarf, white and handsome. Excellent quality for the table, and a good market sort. Pkt., 5c.; oz., 25c.; lb., \$3.00.

**Early Purple.** Differing from the above only in color, which is blueish-purple. Pkt., 5c.; oz., 25c.; lb., \$3.00.

**Large Green.** An excellent variety for farm culture. Pkt., 5c.; oz., 25c.; lb., \$3.00.

**LEEK.**

Belongs to the onion family. It is, on account of its milder flavor preferred by many to the onion. Principally used for flavoring soups. Cultivate like onions.

**London Broad Flag.** Strong growing variety; hardy and vigorous. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**American Flag.** Favorite variety; strong growth. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**Musselburgh.** Stem shorter than London, equally thick; leaves broad, tall, spreading fan-shape. The best. Pkt., 10c.; oz., 25c.; lb., \$2.50.

**LETTUCE.**

**Early Curled Silesia or Cut.** A fine early curled variety which does not head, leaves large and tender, of fine flavor. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**Early Curled Simpson.** This does not head, but forms a close, compact mass of leaves; very early, excellent for forcing. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**Boston Curled.** Of superior quality; does not form solid heads; fine for early use. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

The above varieties only used as cut salads, and are required to be sown thickly.

**Early Tennis Ball.** Black seed. Forms a close hard head, the best forcing sort. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

**Boston Market.** White seed. Hardy and crisp; the earliest heading variety; one of the best for forcing. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

**Early Dutch Butter, Spotted.** Producing fine large heads of excellent quality, and one of the best forcing and market sorts; also stands the heat well in summer. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.

**Early Cabbage, or White Butter.** A favorite for sowing in the fall; nearly hardy, requires only a slight protection; produces fine, well-formed heads. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.

**Brown Dutch, or Butter.** Very hardy, and one of the best for winter use, requiring but a slight protection of salt hay; fine large solid heads. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.



Kohl-Rabi.



Drumhead, or Malta Lettuce.

**Hanson.** A superior curled heading variety, of large size, sweet, tender and crisp, of a beautiful green without and white within, free from any bitter taste; good for summer use or forcing purposes. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.00.

**Black-seeded Simpson.** Produces a compact mass of leaves of a light color, nearly double the size of the ordinary Simpson, standing well the summer heat. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 65c.

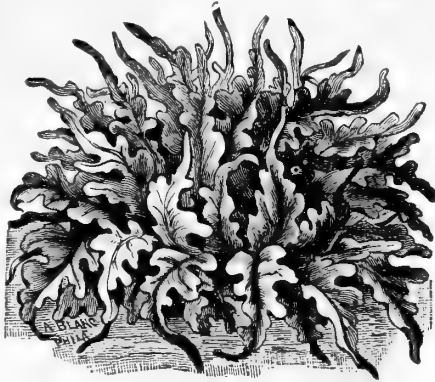
**Royal Cabbage, or Summer Drumhead.** Head large, crisp, tender, of good flavor, and stand the summer heat well. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.

**Silver Ball.** Silvery white, early; very firm and compact; rich flavor. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

**Monitor.** A variety that stands the heat of summer, and rarely runs to seed; tender, crisp and of fine flavor. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00.

**Paris White, or Ice Cos.** Forming fine, tender and crisp, white heads. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.

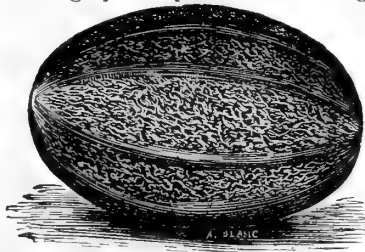
**New Oak-leaved.** A distinct new variety of lettuce, offered last season for the first time. The illustration will show the peculiar outline of the leaves, which are shaped like those of the oak. The heads are compact, crisp and tender, and it is largely free from that bitter taste peculiar to so many kinds of lettuce. (See cut.) Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.



Oak-leaved Lettuce.

### MUSK-MELON.

The sunny fields and slopes of the Pacific coast are eminently adapted to the culture of this delicious semi-tropic fruit. Plant when all danger of frost is over, and the weather is settled, in hills six feet apart each way—leaving three to four strong plants remain in each hill. Enrich the soil with well-rotted manure, taking care to thoroughly incorporate it with the ground. Old seed is better than fresh crop.



Green Citron Musk-melon.

**Golden Netted Gem.** One of the earliest, and no doubt the best small melon grown. They are globular in shape, very uniform in size and weight; flesh light green and of very fine flavor, exceedingly productive and will keep for nearly a week after picking. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**Green Citron.** Fruit medium size, deeply netted; shape nearly round, from six to eight inches in diameter; flesh green, and of rich, delicious flavor. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**Casaba.** A large variety of delicious flavor. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**Nutmeg.** Fruit nutmeg shape; skin, deep green, finely netted; greenish yellow, rich and sugary. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

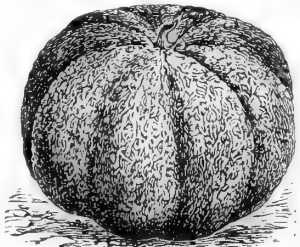
**Skillman's Netted.** Form roundish oval; flesh deep green, sweet and richly perfumed; an early and delicious variety. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**White Japan.** An early, medium sized, roundish variety; skin cream-white, and fine flavored. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Jenny Lind.** An early variety of small size, but excellent flavor. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**Large Yellow Cantaloupe.** Flesh reddish orange, sweet and of good flavor, an early and productive variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Montreal Improved Green Nutmeg Melon.** The fruit is of the largest size, specimens often weighing twenty pounds and upward. The shape of this melon is almost round, flattened at both ends, and deeply ribbed; skin green and netted; flesh very thick and of the finest flavor. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

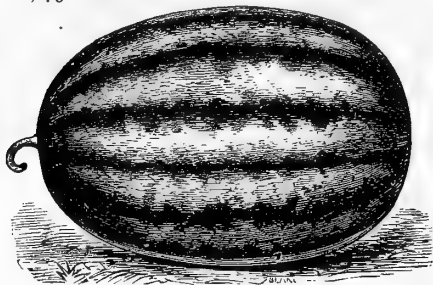


Japan Musk-melon.

**WATER-MELON.**

**Lodi, or San Joaquin.** A very large, solid, cream-colored melon, deep red flesh, rich flavor; originated in California. Seeds are white, rind only one-half inch in thickness. Our seed is collected from the choicest specimens. Especially to be recommended as a market melon, where it sells readily on account of its beauty and size. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.00.

**Mountain Sweet.** The most popular variety known, one of the best for Northern cultivation; fruit dark green, oblong in shape. Pkt., 5c.; oz., 10c.; lb., 75c.



Cuban Queen Water-melon.

forty to fifty pounds each. Smooth, dark green skin with light stripes; flesh light crimson and very sweet. Pkt., 10c.; oz., 20c.; lb., \$1.25.

**Cuban Queen.** A very large and fine variety; skin beautifully striped, dark and light green; flesh bright red, solid, luscious, crisp and sugary; excellent keeper. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Orange.** Peculiar on account of the division of the flesh from the rind, which may be taken off like the rind of an orange; flesh red, tender and sweet. Pkt., 5c.; oz., 15c.; lb., \$1.00.

**Black Spanish.** A very sweet and delicious variety; fruit round, of large size; skin blackish green; flesh scarlet. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Citron.** (For preserves only.) Handsome round fruit, of small size. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Icing.** Of round form, white-seeded. This melon can scarcely be praised too highly on account of its solidity, thin rind, and rich, luscious, sugary flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.00.

**Ice Cream.** A variety similar to the last mentioned; it is prolific, early, and well adapted for cultivation in cold localities. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**MUSHROOMS.**

Mushrooms are grown in out-buildings, cellars, or wherever a uniform temperature of 50° to 60° can be maintained. Make beds of fermenting manure, which should be large enough to acquire a heat of about 70°. When at the proper temperature insert bits of mushroom spawn at intervals. As soon as signs of growing appear, place two inches of soil over them and cover all with straw. Mushrooms appear in six to eight weeks, and should be collected when at the proper size for the table.

After the bed has been spawned do not water unless quite dry; use lukewarm water only.

Minute directions with each box.

**MUSTARD.**

Cultivated as a salad. The leaves are like cress, when very young. Sow thickly in rows, at different times from April to June, and cut when about two inches high; for use during winter it may be sown at intervals in boxes, in the green-house, or in a frame.

**White London.** Pkt., 5c.; oz., 10c.; lb., 35c.

**Brown or Black.** More pungent in flavor than the White. Pkt., 5c.; oz., 10c.; lb., 35c.

**Chinese.** Leaves twice the size of the ordinary White Mustard, of a deeper green, flavor pleasantly sweet and pungent, and profitable as a salad. Pkt., 5c.; oz., 25c.; lb., \$1.25.

**NASTURTIUM, OR INDIAN CRESS.**

Cultivated both for use and ornament; the seeds while young and succulent are pickled and used as capers. The young leaves are also useful in salads. Its beautiful scarlet and orange colored flowers, which bloom freely all summer, add a charm to the garden.

**Tall.** Excellent for covering fences, trellis work, etc. Pkt., 5c.; oz., 30c.; lb., \$2.50.

**Dwarf.** Good for borders. Pkt., 5c.; oz., 30.; lb., \$3.00.

**OKRA, OR GOMBO.**

This vegetable is of the easiest culture, and grows freely, bearing abundantly in any ordinary garden soil. Sow early in May, in drills two inches deep, setting the plants from two to three feet apart.

**Improved Dwarf Green.** Early and productive. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Fall White.** About six feet high; pods eight to ten inches long, an inch and a half thick at the stem and tapering to a point. Pkt., 5c.; oz., 10c.; lb., \$1.50.

**ONION.**

The onion thrives best in a rather strong, deep, rich, loamy soil, and succeeds well when cultivated on the same ground for successive years. The ground should be well enriched with very old stable manure or compost. Early in spring level the ground with an iron rake, and tread it firmly; sow thinly in drills about a quarter of an inch deep and one foot apart; cover with fine soil and finish by pressing the earth well upon the seed with a board laid lengthwise on the row and walking across it. When the young plants are strong enough, thin gradually, so that they stand three or four inches apart. Keep the surface of the ground open and free from weeds by frequent hoeing, taking care not to stir the soil too deeply nor collect it about the growing bulbs. *Our onion seed is all of the choicest quality.*



Extra Early Red.

**Large Red Wethersfield.** This is the standard variety. Large size; skin deep purplish red; form round, somewhat flattened; flesh purplish white; moderately fine-grained, and stronger flavored than any of the other kinds. Very productive, the best keeper, and one of the most popular for general cultivation. Pkt., 5c.; oz., 25c.; lb., \$2.00.

**Early Red.** This variety ripens early; it is mild in flavor, and a good keeper. Pkt., 5c.; oz., 25c.; lb., \$2.00.

**Red Globe.** A fine globe-shaped onion of superior quality. Pkt., 5c.; oz., 25c.; lb., \$3.00.

**Yellow Globe Danvers.** A very excellent variety of the globular shape; flesh white and mild flavored; skin brownish yellow. Pkt., 5c.; oz., 25c.; lb., \$3.00.

**White Portugal.** A handsome onion of mild flavor, fine for early winter use, and much used for pickling when small. It is not a good keeper. Pkt., 10c.; oz., 40c.; lb., \$4.00.

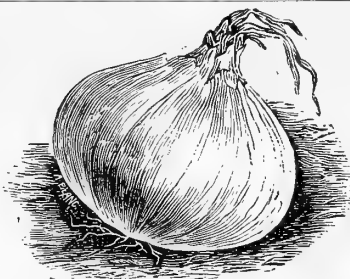
**White Globe.** A large, globe-shaped onion; firm, fine grained, of mild flavor; keeps well; commands the highest market price. Pkt., 10.; oz., 40c.; lb., \$4.00.

**New Italian Onions.**

**Giant White Italian Tripoli.** Grows to an enormous size, and is of a mild and pleasant flavor. Pkt., 10c.; oz., 40c.; lb., \$4.00.



Yellow Globe Danvers.



White Portugal.

The sets should be planted out as early in the spring as the ground is dry enough to work; plant them in rows one foot apart, with sets three or four inches apart.

**White and Yellow Onion Sets.** Prices on application.

**Top, or Button Onions.** Prices on application.

**New Giant Rocca of Naples.** Light brown skin; delicate flavor, and of globular form. Pkt., 10c.; oz., 30c.; lb., \$3.00.

**Queen.** Earliest of all onions, remarkable for rapidity of growth; very mild flavor. Pkt., 5c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.25; lb., \$4.00.

Onion sets are not top onions; the sets are grown from seed and ripened off when proper size; they produce, when planted out, onions of superior size. They can also be pulled when young and tender and used for the table. They are milder, sweeter, and much superior to the top onion.

## A Novelty! THE JAPANESE ONION.

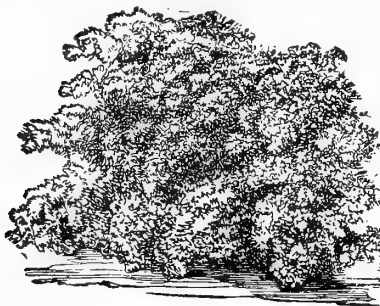
A very fine variety of onion; of more oblong than round shape, size medium, without any rankness; mild flavor, delicious tasting, very rapid growth, good keeping quality. Is sure to increase in size if cultivated in California.

Pkt., 20c.; oz., 50c.

### TRY IT!

#### PARSLEY.

Soak the seeds a few hours in tepid water, and sow early in the spring in one-foot drills. The seed germinates very slowly, and sometimes two or three weeks will elapse before the plants make their appearance. It often fails entirely in dry weather.



Moss Curled Parsley.

**New Fern-Leaved.** Most exquisite in form and coloring, and admirably suited for mixing with dwarf ornamental foliage plants in the flower garden; also for table decoration. Pkt., 5c.; oz., 10c.; lb., 65c.

**Extra Moss Curled.** Leaves beautifully curled, extra fine for garnishing. Pkt., 5c.; oz., 10c.; lb., 75c.

**Curled, or Double.** Dwarf and tender; leaves yellowish green and very beautifully crimped and curled; used principally as a garnish for the table. Pkt., 5c.; oz., 10c.; lb., \$1.00.

#### PARSNIP.

Loves rich, deep, mellow soil. The seed germinates slowly; sow early in spring, in drills fifteen inches apart; thin out to five or six inches apart in the rows. Freezing improves the roots.

**Long White.** Roots long; white, sugary and fine flavored. Pkt., 5c.; oz., 10c.; lb., 65c.

**Sugar, or Hollow Crown.** Roots about eighteen inches long and four inches in diameter at the crown; fine flavored. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.00.

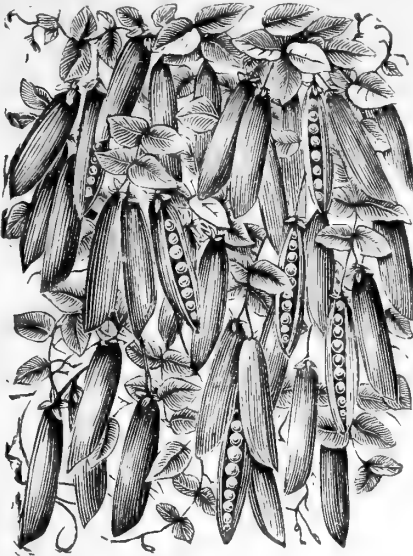
#### PEAS.

Prices per packet include postage. If ordered by mail in larger quantities, sixteen cents per pound extra.

#### Extra Early.

**American Wonder.** This is well and favorably known. It is one of the earliest wrinkled peas in cultivation, of the finest quality and wonderfully productive. Its great distinctive feature, however, is its compact and dwarf growth, seldom exceeding ten inches in height. Pkt., 10c.; lb., 25c.

**Improved Daniel O'Rourke.** A favorite extra early variety. Pkt., 10c.; lb., 15c.



First and Best.

**Late or General Crop.**

**Champion of England.** A standard wrinkled variety of great excellence; flavor delicious, height four to five feet; one of the best. Pkt., 10c.; lb., 15c.

**Dwarf Blue Imperial.** A good summer pea; prolific and of fine flavor; height two and a half feet, a favorite with market gardeners. Pkt., 10c.; lb., 15c.

**Large Black-Eyed Marrowfat.** An excellent variety, growing about five feet high; pods large and full; a prolific bearer, and can be recommended as one of the very best Marrowfat sorts. Pkt., 10c.; lb., 15c.

**Large White Marrowfat.** Similar to the Black-Eyed in all its features except in growth; it is a stronger grower and not quite as productive. Pkt., 10c.; lb., 15c.



Little Gem.

**Edible Podded Peas.**

**Early Dwarf Sugar.** A French variety of excellent quality. Pkt., 10c.; lb., 30c.

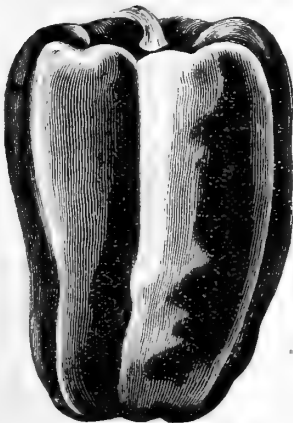
**Tall Sugar.** Very sweet and tender; purple blossom; yield most abundant; height four feet. Pkt., 10c.; lb., 40c.

**PEPPER.**

Plant in hot-beds in March, and transplant into the open ground the latter part of May, in rows about twenty inches apart and eight inches apart in the row. Repeated hoeings promote their growth.

**Large Bell, or Bull Nose.** Fruit large, an early, sweet and thick, fleshy and tender rind variety. Pkt., 10c.; oz., 30c.

**Cayenne, Long Red.** The pods of this variety are from three to four



Ruby King.



Long Red.

inches in length, cone-shaped, and coral red when ripe. Both ripe and green pods are used as pickles, also for making pepper sauce. Pkt., 10c.; oz., 30c.

**Squash, or Tomato-shaped.** The kind most generally grown for pickling an excellent sort. Pkt., 10c.; oz., 30c.

**Sweet Mountain, or Mammoth.** Similar in shape to the Large Bell, but of much larger size; rind thick, fleshy and tender, much used for pickling; stuffed like mangoes. Pkt., 10c.; oz., 30c.

**Red Cherry.** Fruit round; very productive and ornamental. Pkt., 10c.; oz., 30c.

### PUMPKIN.

This vegetable is mostly raised for agricultural purposes only—especially for feed. Requires rich, light soil.

**Large Field.** Large yellow, very abundant yield, much used for cooking; also best for feeding cattle. Pkt., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

**Mammoth.** Sometimes weighs 200 pounds. Pkt., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$3.00.

**Cushaw, Crooked Neck.** Is similar to the Winter Crook-Neck Squash; flesh fine grained, sweet. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.00.

### RADISH.

Radishes require a light, rich, sandy loam; heavy or clayey soils not only delay their maturity, but produce crops much inferior, both in appearance and especially in flavor. For a constant supply, sow at intervals of two or three weeks. For an early supply, they may be sown in a hot-bed or cold frame.

**Long Scarlet Short-top.** The standard variety for market and private gardens. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Long Scarlet Short-top.** Extra market-gardener stock. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Scarlet Turnip.** Rather more delicate in flavor than the above; excellent for summer use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**New French Breakfast.** A variety of quick growth, very mild and tender, form oval, color scarlet, tipped with white. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

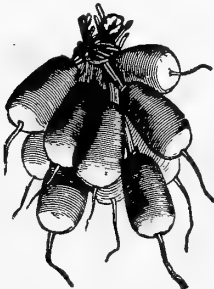
**Olive - shaped Scarlet.** Oblong - shaped, flesh rose-colored; tender and excellent variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**White Olive - shaped.** Similar to above, except in color. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., \$1.00.

**Chartier Radish.** Decidedly distinct in appearance from any radish in cultivation. The color at the top is crimson, running into pink about the middle, and from thence downward it is pure, waxy white. It will attain a very large size before it becomes unfit for the table. (See cut.) Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.



Chartier Radish.



E. French Breakfast Radish.

**Rose China Winter.** Bright rose-color; flesh firm and piquant, excellent. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Black Spanish.** One of the hardiest and best for winter use. Pkt., 5c.; oz., 10c.; lb., 75c.

**California Mammoth White.** A giant white-fleshed fall radish, of excellent quality. Pkt., 5c.; oz., 15c.; lb., \$1.25.

**White Tipped Scarlet Turnip.** This is an early variety of medium size, of excellent flavor, and of very handsome appearance. Pkt., 5c.; oz., 10c.; lb., 75c.

**White Summer Turnip.** Excellent for summer use, of mild flavor. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



**RHUBARB, OR PIE PLANT.**

**Linnaeus.** Early, large, tender; best for family garden. Pkt., 5c.; oz., 25c. ¼ lb., 75c.

**Victoria.** Large, late standard sort; yield of stalks abundant. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.

**SALSIFY, OR VEGETABLE OYSTER PLANT.**

Equal in flavor to cooked oysters, when properly dressed; for the table. Grows similar to parsnip. Sow in spring, in drills twelve inches apart; thin out to six inches in the drills. Roots are not injured by remaining in ground through winter.

**White French.** The best. Pkt., 5c.; oz., 25c.; lb., \$1.50.

**SPINACH.**

Requires rich soil; tread down well before sowing. Sow one-fourth inch deep, allowing twelve inches between rows.

**Prickly.** Very hardy. Pkt., 5c.; oz., 10c.; lb., 50c.

**Extra Large Round-leaved Viroflay.** Splendid variety of lettuce-leaved spinach, leaves much longer, broader, round, thick, fleshy and dark green. Grows in rich soil to an enormous size. Pkt., 10c.

**Bloomsdale Savoy-leaved.** A large, curled, thick-leaved variety. Pkt., 5c.; oz., 10c.; lb., 75c.

**Long Standing.** Late in running to seed; large in size, fine in quality. Pkt., 5c.; oz., 10c.; lb., 65c.

**SQUASHES.**

Squashes will grow readily on almost any soil, but will well repay generous treatment. The summer varieties are excellent for the table. Plant in hills about six feet apart. Sow eight or ten seeds in a hill. Three or four of the strongest plants are enough to leave for each hill.

**White Bush Scalloped.** An early market variety, excellent for shipping, tender and well flavored. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Yellow Bush Scalloped.** A sub-variety of the above, principally differing in color. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Golden Summer Crook-Neck.** Early, productive, and the best for summer use; fruit bright yellow, and covered with warty excrescences. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Boston Marrow.** A much esteemed variety, coming in about ten days later than the bush sorts; color rich orange, a good keeper, and of unsurpassed flavor. Pkt., 5c.; oz., 10c.; lb., \$1.00.

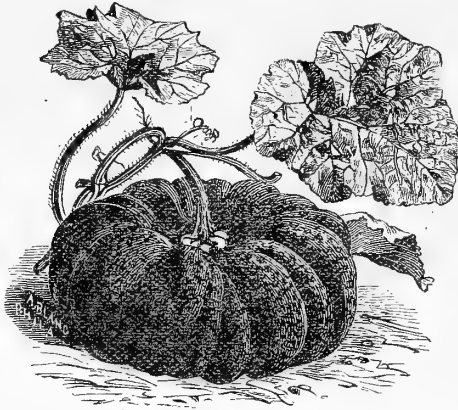
**American Turban.** One of the driest, sweetest, finest grained, and most delicious of all squashes. Pkt., 5c.; oz., 10c.; lb., \$1.25.

**Hubbard.** A favorite winter squash, and more largely grown as a late sort than any other; of large size, flesh fine grained, dry, and of excellent flavor. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Large Winter Crook-Neck.** The old standard variety, hardy, and a good keeper. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**Vegetable Marrow.** A favorite English sort; skin greenish-yellow, flesh white, soft, and of rich flavor; quite distinct from any of the preceding. Pkt., 10c.; oz., 20c.; lb., \$2.00.

**Perfect Gem.** A small squash, nearly round, slightly ribbed, with a thin, smooth, creamy-white skin. The flesh is fine-grained, dry, very sweet, and of delicious flavor. It is remarkable for its keeping qualities and extreme prolificness; as many as twenty squashes having grown on a single vine. Pkt., 10c.; oz., 20c.; lbs., \$1.50.



Japan Squash.

**JAPANESE SQUASH.**

A very fine oblate-round, fruited squash; skin dark green, and yellow mottled in thick ribs; very prolific bearer; the flesh is very fine grained, flavor delicious; one of the best keepers — ripens in July; can be kept until spring of following year. [See Japan Seed List.]



Early White Bush.

**TOMATOES.**

The seed should be sown in a hot-bed, in drills five inches apart and half an inch deep. When the plants are about six inches high, set in the open ground in hills in which a good shovelful of rotten manure has been mixed. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. Ought to be supported by a trellis-work or brush.

**Livingston's Favorite.** A new variety. It is a very large and perfect shaped tomato, ripens evenly, very prolific, good flavor, flesh solid, bears shipping long distances. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**General Grant.** A superior variety, of good quality, and ripens rapidly and thoroughly. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 65c.; lb., \$2.00.

**Hathaway's Excelsior.** Early, of medium size, smooth, very solid, and of excellent quality. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

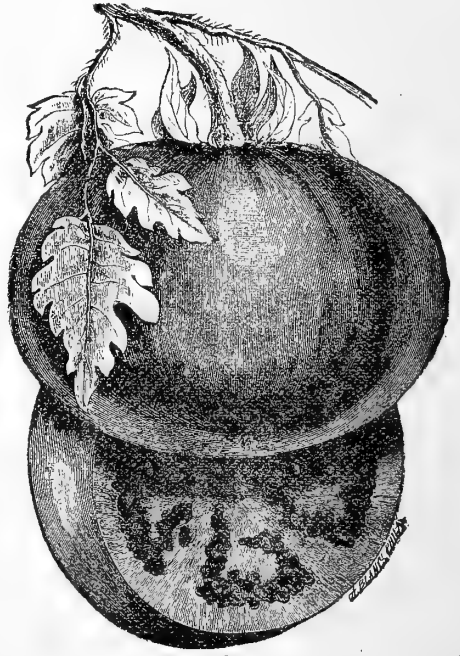
**Acme.** This tomato is one of the earliest and handsomest varieties ever introduced. The fruit is of medium size, perfectly smooth and regular in shape, very solid, and a great bearer; color quite distinct, being crimson with a pinkish tint. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.

**The Trophy.** This, when well grown, is without doubt one of the best tomatoes in cultivation. It is unsurpassed in size, flavor and productiveness. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.

**Canada Victor.** One of the earliest, of medium-size, very symmetrical in shape. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Livingston's Perfection.** — Early, few seeds, fine, blood-red color; almost round in shape, perfectly smooth, and very solid. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Mayflower.** Very early, new variety, bright red color, ripens evenly, and of beautiful appearance, round, slightly flattened, flesh solid, few seeds. One of the VERY BEST; *excellent for home gardens.* Pkt., 15c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.



Mayflower.

## TURNIPS.

**New Extra Early Purple Top Munich.** This is a remarkably handsome and very early turnip, with a bright purplish-red top, and fine mouse-tail root, very distinct and valuable. Pkt., 5c.; oz., 10c.; lb., \$1.00.



Red Top Strap-leaf.

**Red Top Strap-leaf.** Rapid grower and mild flavor; the best variety for early use, either for the table or market. Pkt., 5c.; oz., 10c.; lb., \$1.00.

**White Strap-leaf.** Differs from the preceding only in color. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Early Flat Dutch.** An early Garden variety resembling White Strap-leaf. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Large White Norfolk.** A very large-growing, globe-shaped variety; flesh coarse-grained and sweet; one of the best late varieties for stock, but not so desirable for table use. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Long White, or Cow-horn.** Flesh white, fine-grained and sweet, and of excellent quality for table use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Yellow Globe.** One of the best varieties for general crop; flesh very firm and sweet, and keeps well until very late in spring, grows to a large size, and is excellent both for stock and table use. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Early White Egg.** A desirable variety, perfectly smooth and nearly egg-shaped; of rapid growth and of fine quality. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Purple Top White Globe.** Of globular shape, very handsome and of superior quality, either for the table or stock; an excellent keeper, and a fine market variety. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

### • RUTA BAGA, or SWEDISH TURNIP.

**Skirving's Purple Top.** Grows to a large size; flesh firm, solid and sweet, and a good keeper. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 80c.

**White French.** An excellent sort for table or stock; flesh firm, white and solid, and has a very sweet flavor; a very popular variety for market culture. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 90c.

**Yellow Purple Top.** Large, oblong, productive; a splendid keeper; much used for stock-feed.

## TOBACCO

Can be grown successfully in California. It requires rich, mellow soil, thoroughly pulverized. Sow the seed thinly, transplant when six inches high to rows four feet apart each way, cultivate well.

**Connecticut Seed Leaf.** Hardy, best for general use. Pkt., 10c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

**Havana.** Pkt., 25c.; oz., 70c.;  $\frac{1}{4}$  lb., \$2.00; lb., \$7.00.

## HERBS — Pot, Sweet and Medicinal.

PACKETS OF THESE, 10 CENTS.

Every housewife's garden ought to have a space devoted to the culture of these. They can be used both fresh in summer, and dried for winter. Most kinds are of easy cultivation. Sow in good, rich soil, and keep well watered. For winter use, dry in an airy, shady place; when well dry, pack in tight boxes.

**Anise.** For seasoning, also as medicine.

**Balm.** Medicinally.

**Basil Sweet.** Leaves and tops are used for seasoning soups, stews and sauces. Hardy annual.

**Caraway.** Seed is used in confectionery and cakes.

**Catnip.** For tea.

**Coriander.** Seed used as medicine and in confectionery. Annual.

**Dill.** Flavors pickles, soups, etc. Perennial.

**Fennel.** Same as dill. Perennial.

**Lavender.** Delicious for scenting linen, or for preparing the favorite lavender water.

**Marjoram.** Very aromatic; much used for culinary purposes.

**Rosemary.** Tops used as medicine.

**Sage.** Much used in the kitchen.

**Summer Savory.** Pickles and flavoring.

**Sorrel.** Makes an excellent soup. Hardy.

**Tansy.** For medicinal purposes.

**Thyme.** Excellent flavoring for stews. Dried and powdered. Keeps for a long time, like Sage and Marjoram.

### FRUIT SEEDS.

**Apple.** The seeds must be kept moist through winter, unless planted in fall. Sow in deep, rich soil, in rows two feet apart; cultivate well, keep free from weeds. Makes excellent grafting stock. Lb., 75c.

**Cherry, Mahaleb.** Best stock for grafting. Lb., 75c.

**Cherry, Mazzard.** Same as above. Lb., 50c.

**Pear.** Sown thickly in autumn or spring in drills eighteen inches apart. Soil must be deep, rich and moist; cultivate often. Lb., \$2.50.

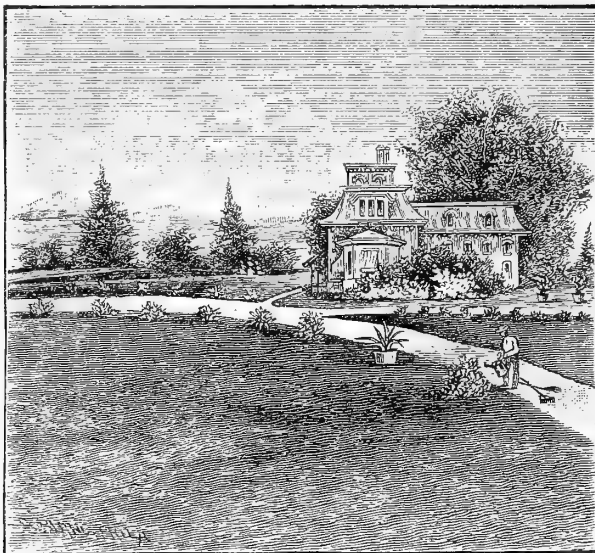
**Japanese Pear Seed** (See Japanese Seed List).

**Plum, Myrabolan.** Plant the stones, after cracking them slightly, two to three inches deep. Lb., 60c.

**Peach.** Lb., 10c.; 100 lbs., \$5.00.

**Quince.** Cultivate same as apples. Lb., \$2.50.

**Apricot.** Cultivate same as peach. Lb., 10c.; 100 lbs., \$5.00.



### GRASS AND CLOVER SEEDS.

In quantity, at lowest market rates. Remit for postage 16 cents per pound, when ordered to be sent by mail. Write for rates.

	PER LB.		PER LB.
<b>Alfalfa.</b> 100 lbs., lowest market price .....	\$ 20	<b>English Perennial Rye Grass</b> .....	\$ 25
<b>Red Clover.</b> 100 lbs., market price .....	20	<b>Sweet Vernal Grass</b> .....	75
<b>White Dutch Clover</b> .....	30	<b>Australian Rye Grass</b> .....	25
<b>Timothy</b> .....	15	<b>Italian Rye Grass</b> .....	30
<b>Orchard Grass</b> .....	30	<b>Mesquite Grass</b> .....	20
<b>Red Top</b> .....	20	<b>Hungarian Grass</b> .....	15
<b>Kentucky Blue Grass.</b> Extra Clean .....	30	<b>Millet, Common or Golden</b> ..	15
		<b>German Millet</b> .....	15
		<b>Evergreen Millet</b> .....	25

## MISCELLANEOUS SEEDS.

	PER LB.		PER LB.
Broom Corn.....	\$ 15	Sorghum .....	25
Sun Flower.....	50	Amber Sugar Cane .....	20
Vetches, or Tares.....	25		

## BIRD SEEDS.

Canary.

## FLOWER SEEDS.

## BRIEF HINTS ON SOWING AND CULTIVATING.

*The Soil*—A mellow loam, which is a medium earth between the extremes of clay and sand, enriched with a compost of rotten manure and leaf-mold, is adapted to the generality of flowering plants. Previous to digging flower-beds or borders, care must be taken that they are so arranged that the ground may be a little elevated in the middle, that the water may run off, and that the plants may show to better advantage.

*Sowing the Seed*—Nine-tenths of the failures in flower culture come from improper treatment of the seeds and young plants. We urge every purchaser to carefully study the cultural directions printed on each package, and the following general rules:

Do not plant any of the seeds when the ground is wet. Make the surface as fine and smooth as possible. Cover each sort of seed to a depth proportionate to its size. The finest, like *Portulaca*, *Campanula*, *Digitalis*, etc., should be merely sprinkled on the surface of the ground, after making quite smooth with the back of the spade, and barely covered with finely sifted, light, mellow soil; press the soil down firmly over the seed with a brick or short piece of board. For larger seeds the depth should be regulated according to the size of the seed, those of the size of a pin-head, one-half inch deep, and those the size of a pea, three-fourths of an inch.

Procure a bit of lath (it would be better if planed smooth) about two feet long, press the edge down into the soil evenly, so as to make a groove as deep as the seed is to be planted; scatter the seed along this, allowing four or five of the larger to fifteen or twenty of the smaller seeds to the space one plant is to occupy when grown. Cover the seed by pressing the earth together over it, then turn your lath flatwise, and press the soil down firmly and evenly.

Put a little stick at each end of each row, so as to mark it, then pull up all weeds that appear between the rows the first day they can be seen. Do not pull plants out of the rows unless you are sure they are weeds.

All flowers raised from seed are usually known as *Annuals*, *Biennials* or *Perennials*.

*Annuals* are those plants which flower, or ripen their seeds or fruits the season they are sown, and then perish. This class of plants is again divided into two classes—the hardy and half-hardy, or tender kinds.

*Hardy Annuals* are those which require no artificial heat at any period of their growth, every stage of their development from germination to ripening of the seed being passed in the open ground.

They are the most easily cultivated of all plants; the number of their varieties is large, and their flowers, when properly grown, are frequently of the most attractive beauty and elegance. The seed may be sown along the border in little patches, four to six inches square, or in drills, on the spot where they are wanted to blossom; and in doing so, care should be taken to have the different varieties arranged in such a manner as to produce a pleasing effect when they are in bloom.

*Half-hardy Annuals* are those species which flower and ripen their seeds in the open air, but need the assistance of artificial heat in the earlier stages of their growth. They should be sown in a hot-bed, or in pots in a green-house, if one is available, or in a sunny window. Keep them well shaded, which will prevent absorption by the rays of the sun, and the consequent necessity of frequent watering, which bakes the soil and does much mischief to seeds of slow growth. Toward the middle or end of May, many of the seedlings will be ready for transplanting to borders, but previous to this exposure it will be necessary to harden them, preparatory to removal, by gradually admitting air to the frame both day and night.

*Biennials and Perennials*—Biennials are those plants which do not generally flower the first year, and are only in perfection one season. Perennials continue to flower several years in succession. The seed may be sown, as has already been stated, at times when the ground is moist, but not very wet, from the first of April to August. Many of them may be raised in the open ground, like hardy annuals, and transplanted, but tender or half-hardy kinds should be sown as directed for half-hardy annuals, as they do not generally bloom the first year. They may be thinned out or removed from the seed-bed as soon as they are well rooted, and planted either in different parts of the garden or in nursery-beds, in rows a foot apart. Tender perennials must be protected from frost by a cloth or mat being fastened or tied around them, and covered afterward with leaves or litter.

By following above directions, success will surely attend the planter.

**Abronia.** Charming trailer, with beautiful verbena-like clusters of sweet-scented flowers; continues in bloom a long time; very effective in beds, rock-work, or hanging-baskets. Pkt., 10c.

**Agrostemma.** Handsome, free-flowering, attractive border-plants, at home in any garden; excellent for cut flowers. Pkt., 10c.

**Abutilon.** A most beautiful plant. The bell-shaped flowers are crimson, yellow and white, or striped and veined. Good for out-door in warm places, or for conservatory; very free bloomer. Fine, mixed, all sorts, pkt., 25c.

### ACROCLINIUM.

One of the best of the ever-lasting flowers, and very extensively used for winter bouquets. Annual.

**Acroclinium roseum.** Bright rose. Pkt., 5c.

**Acroclinium alba.** Pure white. Pkt., 5c.

### AGERATUM.

Very fine half-hardy annuals for growing in masses or as single plants, also excellent for bouquets and cut flowers, continuing in full bloom till frost. The flowers are produced in clusters. Grows well in any soil.

**Ageratum lasseauxii.** Very fine rose flowers; most valuable for bouquets. Pkt., 10c.

**Ageratum Mexicanum nanum.** Blue dwarf. Pkt., 5c.

### ADONIS.

Charming annuals, with finely cut foliage and brilliant flowers. They do splendid in a shady out-of-the-way corner of the garden. Twelve to eighteen inches in height. Pkt., 5c.

### ALONSOA.

Handsome bedding-plants, succeeding well in any good garden soil, freely producing flowers of great brilliancy from early summer until frosts; valuable for indoor decoration. Pkt., 10c.



Ageratum.

### ALYSSUM.

A very pretty little plant for edging or rock-work; flowers are fine for bouquets. Hardy annual.

**Alyssum, sweet.** White, fragrant; six inches. Pkt., 5c.

" **saxatile.** Golden yellow blossoms; ten inches high. Pkt., 10c.

### AMARANTHUS.

Ornamental foliage plant, extremely graceful and interesting, producing a striking effect. Half-hardy annual.

**Amaranthus, bicolor ruber.** Foliage green, shaded with red and sometimes pointed yellow; three feet. Pkt., 5c.

**Amaranthus, caudatus** (*Love Lies Bleeding*), red, drooping panicles of flowers; handsome; three feet. Pkt., 5c.

**Amaranthus, cruentus** (*Prince's Feather*), crimson, highly ornamental; three feet. Pkt., 5c.

**Amaranthus, Henderi.** Varied colors; very brilliant, one of the best; three feet. Pkt., 15c.

**Amaranthus salicifolius.** Scarlet, bronzy-green foliage; graceful drooping habit; three feet. Pkt., 5c.

### ANEMONE CORONARIA (Crown Anemone).

This is a very choice strain of the Crown Anemone. We are most accustomed to think of the Anemone flowering in spring from fall-planted bulbs. By sowing the seeds in February or March the plants will flower the following fall, and give a pleasant surprise with their bright and beautiful flowers during the duller months of the year in the flower-garden. When sowing, mix the woolly seed thoroughly in dry sand, to separate it; sow in the boxes of light, rich soil, thinly on the surface, and cover only with a sprinkling of sandy earth to prevent caking. Pkt., 25c.



Aquilegia.

### AQUILEGIA (Columbine).

A class of highly ornamental plants, its varieties combining flowers the most curious in form, with colors the most striking and beautiful. Hardy perennials.

**Aquilegia.** Mixed, double; best and finest colors. Pkt., 5c.

### ANTIRRHINUM.

The Antirrhinum, popularly called Snapdragon, is one of our most showy and useful border-plants. The Tom Thumb varieties are most charming.

**Antirrhinum.** Tall, mixed. Pkt., 5c.

" Dwarf, or Tom Thumb. Pkt., 5c.

### ARGEMONE (Mexican Poppy).

Showy, free-flowering border-plants, bearing prickly leaves and large, poppy-like flowers. Easily grown. Hardy annuals.

**Argemone grandiflora.** Large white flowers. Pkt., 5c.

**Argemone Mexicana.** Yellow. Pkt., 5c.

" Mixed. Pkt., 5c.

### ASTER.

This splendid class of plants is not only one of the most popular, but also one of the most effective of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most perfect and beautiful form. For flower-beds and mixed borders it stands unrivaled.

**Aster, dwarf, Chrysanthemum-flowered.** A collection in eight distinct colors. Pkt., 5c.

**Aster, Truffaut's Pæony-flowered, Double Perfection.** This class represents the greatest perfection of the Pæony-flowered Asters. All colors mixed, pkt., 10c.

**Asters, Quilled.** Curious looking petals. Pkt., 10c.

**Asters, White-flowering.** Perennial, splendid for bouquets, especially bridal or funeral. Pkt., 10c.

We import directly a *splendid assortment* of the choicest varieties of "*German Asters*," well known for their beauty. Pkt., mixed, 10c.



Aster.

**Balloonvine.** A rapid, handsome climber; very fine for inside or outside decoration. Pkt., 10c.

**Balsams—Lady Slippers.** The well-known Balsams, or Lady's Slippers, are one of the finest summer-blooming annuals, free bloomers and highly colored. By transplanting them once or twice, the flowers are apt to be more double. Double, fine mixed. Pkt., 10c.

**Bachelor's Button.** A hardy annual of easy cultivation. Has recently been greatly improved, and now produces handsome flowers of a great variety of rich colors. Mixed. Pkt., 5c.

**Begonia.** A most beautiful plant, not only for foliage, but also for its wealth of many-colored flowers. Nothing can be more elegant for room decoration than these plants in pots; fine out doors in warm places. The choicest varieties, alba, rosea, etc., mixed. Pkt., 25c.

**Bellis perennis (Daisy).** Favorite plant for border. Single Garden Daisy, pkt., 10c. Double, finest mixed, large percentage of double flowers, pkt., 25c.

**Browallia.** Very handsome, profuse-blooming plants, covered with rich, strikingly beautiful flowers; half-hardy annuals. Blue and white mixed. Pkt., 10c.

### BRYONOPSIS.

An ornamental climber of the gourd family, bearing green fruits which change in color, as the summer advances, to bright scarlet, striped with white; of rapid growth and great beauty; tender annual; ten feet.

**Bryonopsis laciniosa erythrocarpa.** Pkt., 5c.

**Cacalia (Tassel Flower).** A beautiful annual, with a profusion of tassel-shaped flowers from July to October; blooms in clusters; fine for cutting. Pkt., 10c.



Calceolaria.

place. Pkt., 25c.

**Hybrida grandiflora.** Flowers of immense size; extra choice seed. Pkt., 25c.

**Campanula.** The Campanulas are, without exception, some of the finest of all garden plants—outdoors as well as for decoration in the conservatory, greenhouse and flower-garden. Blue, white, rose, best single and double, mixed. Pkt., 5c.

**Candytuft.** One of the most useful border annuals, very effective in beds, groups, ribbons, etc.; also very useful for pot culture, for conservatory decoration during winter; indispensable for bouquets; hardy annual. Mixed, white, carmine, purple, pkt., 5c. Fragrant white, pkt., 5c. Carmine, pkt., 5c. Purple, pkt., 5c.

**Canary Bird Flower.** A favorite and beautiful climbing-plant; flowers bright yellow-winged—from these its name "Canary Bird;" very ornamental; half-hardy annual. Pkt., 10c.

**Canna (Indian Shot).** A genus of highly ornamental plants, of majestic appearance and brilliant flowers. Soak the seeds in hot water, and plant in rich soil; half-hardy perennials. Fine mixed varieties. Pkt., 10c.

**Carnation.** Magnificent blossoms, favorite standard flower. We import our seed from the best growers in Europe. Fine German mixed, pkt., 25c. Perpetual, or Tree, the finest grown, per 100 seeds, \$1.00.

### CALLIOPSIS, or COREOPSIS.

Showy and useful free-flowering plants; the tall varieties are very effective in mixed borders, while the dwarf, from their close, compact habit of growth, make fine bedding plants; of easy cultivation; hardy annuals.

**Calliopsis Drummondii.** Large yellow, with crimson center. Pkt., 5c.

**Calliopsis, nigra speciosa.** Beautiful, rich, velvety-crimson. Pkt., 5c.

**Calliopsis.** Mixed. All the choice kinds; two to three feet. Pkt., 5c.

### CALCEOLARIA.

Univerally admired, and indispensable plants for the green-house and conservatory. The flowers are beautifully spotted and marbled. They require a loose, turfy mold, and a cool



**Castor Bean.** A highly ornamental, half-hardy annual, with rich, tropical-looking foliage; very effective as single plant or in groups. Grows from four to six feet high.

**Ricinus sanguineus.** Fruit, leaves and stem a brilliant red. Pkt., 10c. Mixed, best varieties. Pkt., 10c.



Coxcomb.

**Coxcomb.** Very ornamental and interesting plants, producing crest-like flowers of great beauty, resembling a cock's comb. Loves light, sandy soil. Dwarf, crimson, size, one foot, pkt., 10c. Dwarf, mixed, size, one foot, pkt., 10c.

**Japonica** (new) very brilliant. Pkt., 10c.

**Centaurea** (*Dusty Miller*).—Showy, free-flowering border-plant, very effective in beds, ribbons, or as an edging; their transparent stems, delicate branches and light, glaucous leaves, render them very beautiful. Silver-leaved, pkt., 25c.

**Crysanthemum.** Choice double mixed, pkt., 5c. *Japanese varieties*, the best, pkt., 25c.

## CINERARIA.

This is easily grown, and one of the most popular of all green-house plants; covered with a mass of bloom of richest colors—crimson, magenta, violet, purple and variegated.

**Cineraria hybrida.** Double, extra choice, mixed. Pkt., 25c.

**Clianthus Dampieri** (*Australian Glory Pea*). A most magnificent trailing-plant, with beautiful foliage and large clusters of drooping, pea-shaped flowers, each flower three to four inches long, of an intense scarlet color, with a large spot in the center, of glossy black. Keep the seeds very moist and warm, and set the plants in the open ground in June. Pkt., 25c.

**Cyclamen Persicum.** Splendid mixed; a handsome, winter-blooming, bulbous plant, with delicate colored, fragrant flowers. Seed planted in spring will produce bulbs in fall which will blossom the following spring. Pkt., 25c.

**Clematis.** Of this most favorite climber we have seeds of finest varieties at 25c per pkt.

**Coleus.** Of the beautiful foliage plant we have the finest varieties, 25c per pkt.

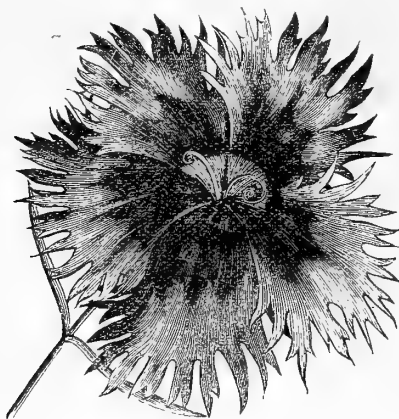
**Cypress Vine.** Among the most beautiful climbing-plants which adorn the flower-garden. The dark green, very graceful, fern-like foliage, thickly studded with brilliant, starry flowers, is very effective. The seeds should be scalded before sowing. Any color, pkt., 5c.

**Convolvulus.** A most beautiful climber, known as "Morning Glory." Very ornamental. Pkt., 5c.

**Single Dahlia.** The Dahlia is one of the most desirable genus of plants known, and is very easily raised from seed. Most of the plants will bloom the first season. A package of seed will give more satisfaction than any bulb. Pkt., 10c.



New Clematis Varieties



Dianthus laciniatus.

**Dianthus laciniatus.** A genus of splendid showy plants, embracing some of the most popular flowers in cultivation. Most of them will flower the first season. The Heddewigii are remarkable for their size and magnificent colors. The young plants bear transplanting well. Pkt., 10c. *New importation* from the south of Japan. (See Japanese Seed List.)

**Datura** (*Trumpet Flower*). Very ornamental plant, producing large, trumpet-shaped flowers. Pkt., 10c.

**Daisy.** Double, white, red and variegated. Pkt., 10c.

**Delphinium** (*Larkspur*). A very showy and ornamental plant; most valuable for decorations or bouquets. Single and double, white, rose, lilac, deep purple. Each color, pkt., 10c.

**Eschscholtzia** (*California Poppy*). A showy and free flowering genus of plants, bearing handsome, graceful foliage and flowers of the richest colors. Should be planted in light soil. Hardy annual. Bright yellow, or yellow center and brilliant scarlet. Pkt., 5c.

**Everlasting, also called Straw Flowers.** Very fine for winter bouquets or room decoration. Mixed rose, white, yellow and orange. Pkt., 10c.

**Feverfew.** Pretty, ornamental, well known plant; fine for rock work; loves moist situation. Pkt., 10c.

**Forget-Me-Not.** The familiar blossom. Light or dark blue, mixed. Either, pkt., 10c.

**Foxglove** (*Digitalis*). Very ornamental and showy plants for shrubberies or half-shady places. If sown early, will flower the first season. Extra brilliant colors, mixed. Pkt., 15c.

**Four O'Clocks.** So called from the peculiar habit of closing its petals about 4:00 P. M.; very showy and bright colors. Best mixed, plain and striped, in great variety. Pkt., 5c.

**Fuchsia.** This most popular and beautiful shrub is easily raised from seeds. We import seeds from the finest varieties grown, of all shades. Pkt., 50c.

**Gaillardia.** Splendid bedding-plants, remarkable for the profusion, size and brilliancy of their colors. Choice. Pkt., 5c.

## GERANIUM.

These well-known garden favorites are as indispensable for in-door as for out-of-door decoration, and should be extensively cultivated; the seed we offer having been saved from first-class varieties.

**Geranium pelargonium.** Finest sorts. Pkt., 30c.

" Fine mixed. Pkt., 10c.

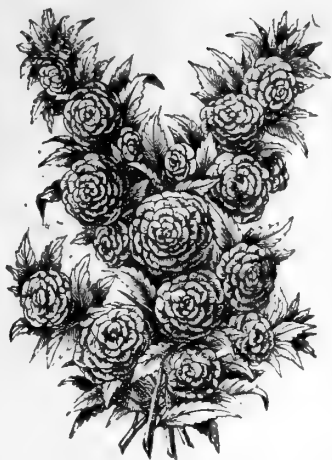
**Gilia.** Very pretty dwarf annual; bloom in almost any situation, grow well in pots, and may be placed in a rockery. Rose, purple, white, blue, mixed. Pkt., 5c.

**Gloxinia.** A superb genus of green-house plants, producing in great quantity beautiful flowers of the richest and most brilliant colors. Finest, choicest varieties, mixed. Pkt., 50c.

**Godetia.** Plants easily cultivated, and will produce a great quantity of flowers, of very brilliant colors. Carmine, crimson, rose and satiny-white. Pkt., 5c.

**Globe amaranthus.** Extremely handsome everlastings. The flowers are much used for winter bouquets. Seed should be soaked in warm water before planting. Pkt., 5c.

**Golden Feather.** Beautiful golden leave border plant. Universal favorite. Pkt., 10c.



Double Hollyhock.

**Gourds.** Japanese curious varieties of all shapes and divers coloring. *Try them.* Pkt., 15c.

**Gypsophila.** A pretty, free-flowering little plant, adapted for rock-work, baskets or edgings. White and rose color. Pkt., 5c.

**Heliotrope.** This deliciously fragrant half-hardy plant is one of the loveliest ornaments to any garden. Shades of white, lilac and deep purple. Pkt., 10c.

**Hibiscus.** A most gorgeous flowering plant. All shades of crimson, most brilliant. Pkt., 10c.

**Hollyhock** (*Allhea*). This is one of the finest ornamental plants. It has been much improved of late, and now produces beautiful double flowers of almost every shade of color. Our seed is most carefully selected from especially choice varieties. Pkt., 15c.

**Ice Plant** (*Mesembryanthemum Crystallinum*). A pretty trailing plant much used for garnishing; the leaves being covered with crystalline globules, giving it the appearance of being coated with ice. White. Pkt., 5c.

### IPOMEA.

One of the most beautiful climbing plants in cultivation, for the green-house or sheltered situations out-doors. Flowers are of the brightest colors. Tender annual; easily cultivated.

**Ipomea Bona Nox.** Large, fragrant flowers, opening towards evening. Pkt., 5c.

**Ipomopsis** (*Standing Cypress*). Very handsome free-flowering plants, with long spikes of dazzling flowers, unsurpassed for brilliancy; fine out-door and first-class conservatory decoration. Pkt., 10c.

**Jacobeia** (*Senicio*). These plants are of easy culture, producing fine double flowers of great beauty, in light, rich soil. Purple, pink and white. Pkt., 10c.

**Kaulfussia.** Free-flowering plants of neat, compact growth; very effective in beds or borders. Rose, white and violet, mixed. Pkt., 5c.

**Lantana.** Highly valuable plants of vigorous growth and branching habit, producing a profusion of variously colored, brilliant blossoms, constantly changing in hue. Finest mixed. Pkt., 10c.

**Lavender.** Cultivated chiefly on account of its delicious fragrance, growing freely in any light soil. Pkt., 5c.

**Lagurus Ovatus** (*Hare's Tail*). An elegant, well-known ornamental grass, with fine, silky heads of flowers. Pkt., 5c.

**Linum** (*Flowering Flax*). Very effective and showy bedding plants, with fine foliage and delicate stems. Pkt., 10c.

### LOBELIA.

A charming genus of dwarf plants, admirably adapted for beds, edgings, and rock-work. Their delicate drooping foliage, and pretty little blue and white flowers, render them very attractive in pots or hanging-baskets.

**Lobelia cardinalis.** Scarlet. Pkt., 15c.

" **Gracilis.** Blue. Pkt., 10c.

" **alba.** Fine white. Pkt., 10c.

**Leptosiphon.** A charming little plant, with pretty foliage and star-shaped flowers. Useful for low edgings and borders. Select a shady, sheltered situation and sow early. Pkt., 10c.

**Eragrostis** (*Love Grass*). A pretty ornamental grass for winter bouquets. Hardy annual. Pkt., 5c.

**Marigold.** Well-known free-flowering plants, with handsome double flowers, of rich and beautiful colors. African orange, tall. Pkt., 5c.

**Maurandia.** A very graceful, fern-like climber with beautiful flowers, shape of Gloxinia. Blooms first year from the seed. Choice mixed, white, pink and blue. Pkt., 10c.

**Martynia.** Handsome, free-flowering plants, producing a fine effect when planted in the open border; flowers as large and handsome as Gloxinias, succeeded by curious double-horned fruit. Set plants two feet apart. Pkt., 10c.

### MIGNONETTE.



Mignonette.

The Mignonette is universally esteemed for its delicate perfume and singularly pretty spikes of bloom. If well thinned out at an early stage, the growth of the flower and foliage will be greatly facilitated.

**Mignonette, Sweet** (*Reseda Odorato*). Pkt., 5c.; oz., 25c.

**Parson's White.** Very fragrant, highly recommended. Pkt., 10c.

**Giant Crimson.** Large flowering, showy. Pkt., 15c.

**"Machet."** New and distinct, of vigorous, pyramidal growth, with thick, dark green leaves, and deliciously scented red flowers.

We import our seed from one of the best growers in Europe.

### MIMULUS.

Handsome and free-flowering plants, with singularly shaped and brilliantly colored flowers.

**Mimulus cardinalis.** Scarlet. Pkt., 10c.

**Mimulus duplex.** Double, tiger-spotted. Pkt., 25c.

**Mimulus.** Choice mixed. Pkt., 10c.

**Musk Plant.** A great favorite on account of the rich odor of the foliage, very graceful, fine plant. Loves warmth and moisture. Pkt., 10c.



Mimulus.

### MOMORDICA.

Trailing plants, with curious ornamental foliage; the fruit is golden yellow in color, and when ripe, opens, disclosing its seeds and brilliant carmine interior.

**Momordica Balsamina** (*Balsam Apple*). Pkt., 5c.

**Charantia** (*Balsam Pear*). Pkt., 5c.

**Nasturtium.** See page — of Vegetable Seed Catalogue.

**Nemophila** (*Love Grove*). A popular plant of dwarf spreading habit, well adapted for border or pot culture. All colors; blue, rose and mixed. Pkt., 5c.

**Nigelia.** Curious hardy annuals, with finely cut leaves, very singular flowers, and quite showy; sometimes called Love-in-a-Mist, from the extraordinary motion manifested by the stamens. Grows freely in any common garden soil. Hardy annual. Mixed. Pkt., 5c.

**Nolana.** Beautiful trailing plants, with prostrate stems, unsurpassed for rock-work, pots, baskets or vases; convolvulus-shaped flowers, of brilliant colors. Hardy annual. Blue, white, yellow and rose, mixed. Pkt., 10c.

**Oenothera** (*Evening Primrose*). These splendid plants are of the easiest culture, and deserve a place in every collection. The flowers open in the latter part of the day, making a most brilliant display during the evening and early morning. Hardy annual. Fine mixed. Pkt., 5c.

**Oxalis.** A well-known class of plants, with brilliant colored flowers and dark foliage; suitable for either green-house or out-door decorations. Half-hardy perennial. Rose colored flowers. Pkt., 5c.

## PANSY.



The pansy is perhaps one of the most popular of all the annuals, and justly held in the highest esteem. It furnishes an abundance of bright flowers of a great variety of rich colors, shades and markings, throughout the entire season. We have in stock some of the most celebrated varieties.

Choice mixed. Pkt., 25c.

New finest varieties from Europe. Pkt., 50c.

The collection from Europe contains bleu ciel or sky-blue, black, bronze, pure white, purple and sulphur-yellow. Flowers attain an enormous size. Good mixed varieties. Pkt., 10c.

**Trimardeau.** This celebrated variety we import direct. Per 100 seeds, 25c.

**Petunia.** Is much to be recommended as a brilliant bedding plant. A mass of gorgeous bloom. Very hardy; should be in every garden. One of the most thankful plants to raise. Petunia mixed single. Pkt., 5c.

**New Double.** The choicest sorts. Pkt., 50c.

**Petunia hybrida.** Purple, half-dwarf. Pkt., 10c.

**Benary's Double Fringed.** Per 50 seeds, 25c.

## PENSTEMON.

Beautiful, hardy, perennial, herbaceous plants. The flowers are abundant, and extremely brilliant.

Vivid scarlet, crimson. Pkt., 10c.

Choice mixed seed. Pkt., 10c.

## PERILLA.

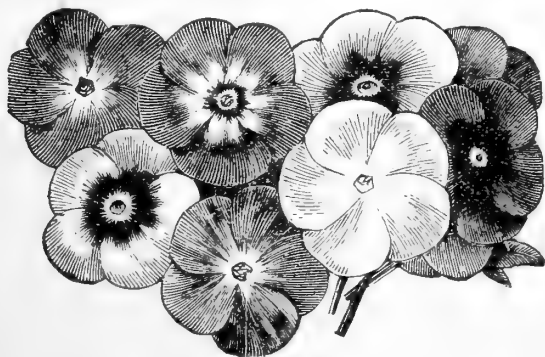
As an ornamental foliage plant, the Perilla claims attention. Its blackish-purple stem and leaves form a good contrast to the silvery foliage of *Cineraria maritima*, or the green of other plants. Hardy annual.



Penstemon.

**Perilla Nankinensis.** Pkt., 5c.

## PHLOX DRUMMONDII.



Phlox Drummondii.

For brilliant effect and continuous blooming in the flower-garden, it is hardly possible to overestimate the Phlox Drummondii. As a plant of simple culture and accommodating habit it is not excelled by any annual in cultivation. Half-hardy annual.

**Phlox Drummondii alba.** Pure white. Pkt., 10c.

**Coccinea.** Brilliant scarlet. Pkt., 10c.

**Stella splendens.** Crimson, white star. Pkt., 10c.

Finest mixed large flowering varieties. Pkt., 10c.

### POPPY (Papaver).

One of the most gorgeous flowering plants in the garden. They grow freely in any common soil.

**Poppy.** Carnation-flowered, choice double mixed. Pkt., 5c.

“ Pæony-flowered, double mixed. Pkt., 5c.

“ **umbrosum.** Immense single flowers of brilliant crimson color, large black blotch in center. Pkt., 10c.

**Poppy, Danebrog.** Single, brilliant flowers, silvery-white spot on each petal, forming a white Maltese cross on red ground. Pkt., 10c.

**Poppy.** Finest double mixed. Pkt., 5c.

“ Finest single mixed. Pkt., 10c.

### PORTULACA.

For brilliancy, delicacy, diversity, and beauty of color, the *Portulaca* surpasses all other out-door plants. It luxuriates in light soils and sunny situations, rapidly carpeting the ground with its flowers and foliage. For small beds, edgings, rock-work, or hanging baskets, it is incomparably the finest annual grown.

**Portulaca.** \* Finest mixed, many varieties. Pkt., 5c.

“ **grandiflora.** Double mixed. Pkt., 10c.

“ **grandiflora.** Extra fine double mixed; producing all colors, and remaining a long time in flower. Pkt., 15c.

### PRIMULA.

Charming profuse-flowering plant, indispensable for winter and spring decoration in the conservatory; succeeds best in sandy loam and leaf-mould. Green-house perennial.

**Primula sinensis.** Red. Pkt., 40c.

“ “ (William's White). Pkt., 40c.

“ “ **fimbriata filicifolia.** Fern-leaved variety, very handsome. Pkt., 50c.

**Primula sinensis.** Extra double mixed. Pkt., 50c.



Sweet Peas.

### SWEET PEAS.

Of this beautiful and ever favorite plant we have our own choice strain of brightest and most brilliant coloring. Cannot be surpassed.

**Sweet Peas.** Rose with dark blue, mixed. Pkt., 10c.

**Sweet Peas.** Pure white with rose tracing. Pkt., 10c.

**Sweet Peas.** Dark purple with crimson. Pkt., 25c.

**Sweet Peas.** Fine mixed. Pkt., 15c.

**Pyrethrum.** (See "Golden Feather.")

**Rhodanthes.** The most delicate and beautiful of our everlasting flowers; bell-shaped before fully expanded. Flowers when gathered young make very handsome winter bouquets. Thrive best in a light, rich soil, and a warm situation.

Half-hardy annuals. Mixed, extra fine, all colors. Pkt., 10c.

**Salpiglossis.** These have very richly colored, funnel-shaped blossoms—purple, crimson, clear yellow and buff, beautifully marbled, with fine shades of light blue. The dwarf varieties are very desirable. They are of the easiest culture, and thrive well in any light, rich soil, and deserve more general cultivation; half-hardy annuals. Mixed, choice, pkt., 10c.

**Schizanthus.** These are elegant, slender-branched plants, with very conspicuous flowers, good for the open border or pot culture. Fine mixed varieties. Pkt., 5c.

### SEDUM (Stone-crop).

A pretty little plant, growing freely on rock or rustic work; hardy annual.

**Sedum coeruleum.** Blue. Pkt., 10c.

**Sensitive Plant (*Mimosa*).** Very curious and interesting plants, their leaves closing if touched or shaken. Plant in warm place. Pkt., 10c.

**Silene.** Ornamental, free-flowering plants, well adapted for spring and summer, blooming in beds, rock-work, etc. Purple, white, pink and lilac; hardy perennial. Choice colors, mixed. Pkt., 5c.

**Smilax.** A beautiful winter climbing-plant, adapted to the conservatory. Nothing can excel this plant in beauty of foliage and orange fragrance of the flower. It is extensively used for bouquets and floral decorations of every description. Greenhouse perennial.



Salpiglossis.

### SOLANUM.

A class of beautiful ornamental, fruit-bearing plants, useful for conservatory or drawing-room decoration.

**Solanum capsicastrum.** Scarlet fruit. Pkt., 10c.

“ “ Mixed. Pkt., 10c.

**Statice.** Very interesting plants of easy culture; the flowers are valuable for winter bouquets. Half-hardy perennials. Pkt., 10c.

### STOCKS.

Of these the Ten-week Stock is the most universally cultivated, and usually blooms ten to twelve weeks after being sown. They grow from six to fifteen inches high, and when cultivated in rich soil, and occasionally watered with weak guano water, throw out an immense quantity of lateral spikes of bloom, so that each plant forms a perfect bouquet; and it would indeed be difficult to surpass the grand effect produced in beds or ribbons by these exquisite gems. We import our seed from Germany and England.

**Stocks.** Ten-week, dwarf, large-flowering, extra fine, mixed. Pkt., 10c.

“ Ten-week, dwarf, large-flowering, white. Pkt., 10c.

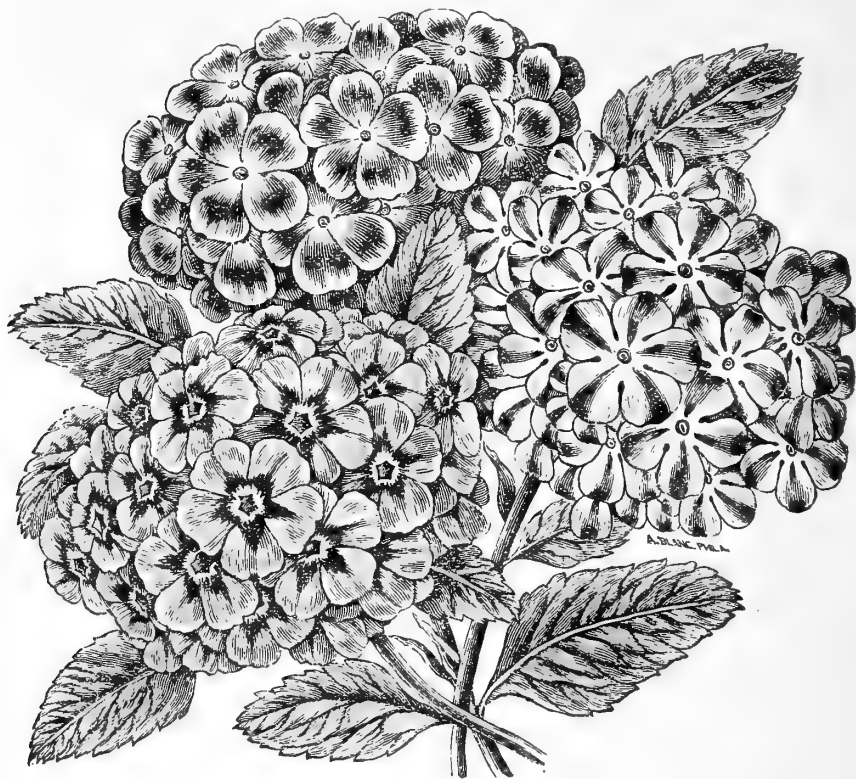
**Stocks.** Intermediate. The intermediate varieties are prized on account of their flowering late in the autumn; also as pot-plants for early spring blooming, for which purpose they should be sown in July or August, and kept from frost during winter. Pkt., 10c.

**Stocks.** Brompton and Emperor. The Brompton variety branch a good deal, and are very bushy, making, when in bloom, a grand display. The Emperor may be treated in the same manner as the Intermediate. They frequently last several years if protected from frost. Pkt., 10c.

**Sweet William.** Well-known, free-flowering plants; colors ranging from snow-white to darkest crimson and purple. Finest single mixed, pkt., 10c. Finest double mixed, pkt., 10c.

### VERBENA.

The Verbena is one of the most effective bedding plants in cultivation, unrivaled in the splendor of its dazzling brilliancy of flower ; of very neat habit, a constant bloomer, and if grown from seed has a sweet fragrance. .



**Verbena, hybrida auriculiflora.** Choice mixed varieties, with white center. Pkt., 10c.

**Verbena, hybrida candidissima.** Immense trusses of pure white flowers. Pkt., 10c.

**Viscaria (Rose of Heaven).** Remarkably pretty, free-flowering plants, growing freely in any good garden soil ; hardy annuals. Pink, white, crimson, mixed. Pkt., 10c.

**Violet.** The sweetest plant in a garden ; most fragrant and beautiful. Sweet fragrant blue, pkt., 10c. Sweet fragrant white, pkt., 10c. The Czar, Russian, very large, dark purple, pkt., 10c.





**Wall-flower.** Of this favorite seed we import choice seed from Europe ; most valuable for its abundant bloom and delightful fragrance. Large golden brown, pkt., 10c. Single mixed, pkt., 5c. Finest double, pkt., 25c.

**Whitlaria.** A beautiful, free-flowering plant, suitable for beds or mixed borders, and growing freely in common garden soil ; hardy annual. Mixed. Pkt., 10c.



### ZINNIA.

The Zinnias are a splendid class of free-flowering plants, producing blossoms in great variety of colors, which retain their beauty till late in season.

**Zinnia elegans.** Double mixed, Pkt., 10c. Salmon, rose, pure white, double carmine, orange, Pompon. Pkt., 10.

## MISCELLANEOUS BULBS.

### CHOICE NAMED HYACINTHS.

Double, red and pink, each 20c.  
Double, blue, 15c.  
Double, white, 15c.  
Double, yellow, 25c.  
Single, red and pink, each 20c.  
Single, blue, 15c.

Single, white, 15c.  
Single, yellow, 25c.  
**Fine Hyacinths.** Mixed, single and double, all colors, \$1.50 a dozen.  
The single hyacinths are the best for growing in glasses; bloom more readily.

### CHOICE TULIPS.

**Duc Van Thol.** Per doz., \$1.00.  
**Parrot.** Per doz., \$1.00.  
Very choice single, mixed, 75c.  
Very choice double, mixed, 75c.  
Extra early. Per doz., 75c.  
**Crocus.** The lovely spring flower, in all colors, mixed. Per doz., 35c.  
**Narcissus.** Double and single; fine sorts. Per doz., \$1.50.

**Mixed Double Ranunculus.** Per doz., 50c.  
**English and Spanish Iris.** Per doz., \$1.50.  
**Jonquils.** Per doz., 50c.  
**Scilla Siberica,** Per doz., 75c.  
**Tuberose.** Per doz., 75c.  
**Pearl.** The finest. Per doz., \$1.50.  
**Lily of the Valley Pips.** Per doz., 50c.

### MISCELLANEOUS TREE AND SHRUB SEEDS.

**Abies Douglasii** (*Douglas Spruce*). Large tree, 200 to 300 feet high. Oz., 50c.; lb., \$5.00.

**Abies Menziesii.** The latest spruce known. Oz., 60c.; lb., \$6.00.

**Cupressus Goveniana** (*Goven's Cypress*). 30 to 40 feet high. Oz., 60c.; lb., \$6.00.

**Cupressus macrocarpa.** The well-known Monterey cypress, very ornamental; 40 to 60 feet high. Oz., 30c.; lb., \$1.50.

**Cupressus Lawsonia** (*Lawson's Cypress*). Known as Oregon Cedar, white cedar. Oz., 40c.; lb., \$4.00.

**Cupressus Guadalupensis.** Finest blue cypress grown; most rare and beautiful. Oz., 40c.; lb., \$4.00.

**Libocedrus decurrens.** White cedar of California. Oz., 30c.; lb., \$3.00.

**Pinus insignis** (*Monterey Pine*). Highly ornamental for parks or lawns, rapid growth, beautiful green foliage. Oz., 25c.; lb., \$2.50.

**Pinus Lambertiana** (*Sugar Pine*). A gigantic tree, 250 to 300 feet in height, from 15 to 20 feet thick. Oz., 30c.; lb., \$3.00.

**Pinus Ponderosa** (*Yellow Pine*). Very hardy. Oz., 40c.; lb., \$4.00.

**Sequoia gigantea** (*Wellingtonia gigantea*). The mammoth conifer of California. Oz., 70c.; lb., \$7.00.

**Sequoia sempervirens.** Commonly known as redwood. The most valuable timber tree of the Pacific coast; from 200 to 300 feet high. Oz., 50c.; lb., \$3.00.

**Picea amabilis** (*Silver Fir*). Valuable for timber. Oz., 50c.; lb., \$5.00.

**Picea nobilis, Picea magnifica and Picea concolor.** Noble red firs. Oz., 50c.; lb., \$5.00.

**Schinus Molle** (*Pepper tree*). A favorite ornamental evergreen tree, with fern-like foliage and bright scarlet berries. Beautiful for gardens and lawns. Oz., 30c.; lb., \$3.00.

**Oreodaphne Californica** (*Mountain laurel*). Oz., 25c.; lb., \$2.00.

**Azalea occidentalis.** Blooms in spring in large clusters, in shades of white, pink with yellow lines. Highly ornamental. Pkt., 25c.

**Eucalyptus globulus** (*Blue Gum*). Oz., 50c.; lb., \$4.50.

**E. Rostrata** (*Red Gum*). Oz., 50c.; lb., \$5.00.

**Grevilla Robusta.** Most beautiful fern-like foliage; flowers bright scarlet; attains height of 100 feet. Pkt., 50c., oz., \$2.00.

**Black Locust.** Grows very rapidly. Oz., 10c.; lb., 60c.

**Catalpa Speciosa.** Hardy catalpa. Oz., 25c.; lb., \$2.00.

**Osage Orange.** Lb., 50c.

**Thuja aurea** (*Golden Arbor Vitae*). Bright golden-yellow foliage. Oz., 75c.; lb., \$7.00.

**Romneya Coulteri.** A beautiful shrub with flowers like large white poppies; native of southern California. Very ornamental. Pkt., 50c.; oz., \$2.00.

## PALM SEEDS.

**Brahea glauca.** Oz., 40c.; lb., \$4.00.

**Brahea edulis.** Oz., 40c.; lb., \$4.00.

**Brahea filamentosa.** Oz., 30c.; lb., \$3.00.

**Melia Speciosa.** The beautiful Umbrella tree of Texas, a novelty much admired. Pkt., 25c.

**Agave.** Five species. Each Pkt., 25c.

**Yucca.** In seven varieties. Pkt., 25c.

**Washingtoniana Robusta.** Oz., 75c.

## FRUIT TREES.

We make selections of fruit trees suited to the locality if advised of the varieties wanted.

Prices given are for small orders only.

Special rates for twenty-five, fifty or one hundred.

Packing done most carefully, and only actual cost of material charged.

Give clear instructions how you wish trees forwarded, by express, by freight, by cars or by steamer lines.

Our stock is from the best on the Pacific coast, grown in a locality perfectly free from insect pests.

## 25, 50, 100, 1,000—Special Rates.

**Summer Apples.** Pearmain, Early Harvest, Early Strawberry, Gravenstein, Red Astrachan, Queen and White Astrachan. Each, 25c.

**Autumn Apples.** Alexander, Beauty of Kent, Fall Pippin, Jonathan, Rhode Island Greening, Russett, Skinner's Pippins. Each, 25c.

**Winter Apples.** Esopus Spitzenberg, Baldwin, Ben Davis, English Golden Russett, Winter Pearmain, Northern Spy, Green Newton Pippin, White Bellflower, Yellow Bellflower, Smith's Cider. Each, 25c.

**Special Varieties.** Amasia, McMahon's White, Duke of Devonshire, Red Bietheimer, Wolf River, York Imperial. Each, 30c.

**Crab Apple.** Marengo, Montreal Beauty, Red Siberian, Yellow Siberian. Each, 25c.

**Summer Pears.** Bartlett, Beurre Gifford, Dearborn's Seedling, LeConte, Madeline or Pearstock. Each, one year old, 25c.; two years old 35c. each.

**Autumn Pears.** B. S. Fox, Beurre d'Anjou, Beurre Diel, Beurre Hardy, Beurre Superfine, Columbia, Dana's Hovey, Winter Seckle, Flemish Beauty, Keiffer's Hybrid, Louise Bonne de Jersey, Seckel, Sheidon. One year old, each, 25c.; two years old, each, 35c.

**Winter Pears.** Beurre gris d'hiver, Col. Wilder, Doyenne d'Alençon, Josephine de Malines, Vicar of Wakefield, Winter Seckle, Winter Nellis. One year, 25c.; two years, 35c.

**Dwarf Pears.** On quince stock, good for small gardens in city. Bartlett, Seckel, Easter Beurre, Winter Nellis and Winter Seckel. Each, 40c.

**Peaches.** On peach stock. Alexander, Blood Cling, California Cling, Early Crawford, Hale's Early, Risen Early, Late Crawford, Lemon Cling, Morris White, Strawberry, Muir Susquehanna, Smoke's Late. One year old, 25c.

We would especially recommend the planting of peach on the St. Julien plum stock where land is too wet, or otherwise not adapted to peach root. We have all the leading varieties on this stock.

**Cherries.** Belle d'Orleans, Black Tartarian, Burr's Seedling, Coe's Transparent, Early Richmond, English Morello, May Duke, Royal Ann, Early Black, Yellow Spanish. One year old, 30c.

**Apricots.** Large Early, Moorpark, River's Early St. Ambrose, Blenheim or Shipley. Each one year old, 25c.

**Nectarine.** Boston, Downton, Hardwicke, Lord Napier, New White. Best, one year, 25c.

**Plums.** Coe's Golden Drop, Cherry Plum, Dawson, Early Golden Drop, Green Gage, Imperial Gage, Peach Washington, Wild Goose, Yellow Egg, Yellow Gage.

**Prunes.** Bulgarian, Fellenburg, St. Martin's, St. Catherine, Petite and Silver Prune. Each, one year old, 25c.

**Quince.** Apple or Orange, Portugal, Augers. Two years old, 35c.; one year old, 25c.

**Almonds.** King's Soft Shell, Languedoc, Harriot's Paper Shell. Each, 25 to 30c.

**English Black Walnut.** Each, 40 to 50c.

**American Black Walnut.** Each, 40 to 50c.

**California Black Walnut.** Each, 40 to 50c.

**Praepaturiens.** Each, 50 to 60c.

**Olives.** Picholine, 25 to 75c.; Mission, 25 to 40c.

**Mulberry.** Downing's and Alba, Russian. Each, 40 to 50c.

**Pomegranates.** Sweet and Subacid. Each, 20 to 30c.

**Figs.** White Adriatic, San Pedro, Black California, Ischia, Smyrna, St. Michael. Each, 25 to 50c.

**Oranges.** *From Riverside.* Washington Naval, Jaffa, Majorca, Malta Blood, Tangerine, Mediterranean Sweet, Malta Oval, Tardiff, King Orange, Pineapple Orange and others. Two years from graft, \$2.50 to \$3.00 each; one year from graft, \$1.25 to \$1.50 each.

**Grapes, Foreign.** Black Hamburg, California or Mission, Flame Colored Tokay, Rose of Peru, Muscatel, White Verdel, White Muscat of Alexandria, Malaga Muscatelle. Per dozen, \$1.50.

**Grapes, American.** Catawba, Concord, Isabella, Duchess, Moore's, Early Pocklington. Per dozen, \$2.00.

Resistant California Seedlings, Resistant Riparia Seedlings, Resistant Rooted Cuttings, Resistant Lenoir Cuttings. \$3.00 to \$5.00 a 100.

**Currants.** Fay's Prolific, Cherry, Black Naples, La Fertile, White Grape. Bushy plants, each, 15 to 20c.

**Gooseberries.** Houghton's, Downing's, Berkeley and Champion. Each, 15c.; doz., \$1.50.

**Blackberries.** Lawton, Kittating, Wilson's Early. Each, 10 to 15c.; doz., \$1.50.

**Dewberry.** Each, 15c.

**Raspberries.** Orange, Cuthbert, Large Fruited Monthly, Yellow Antwerp, Mammoth Cluster. Each, 10 to 15c.

**Strawberries.** Longworth's Prolific, Crescent Seedling, Miner's Prolific, Monarch of the West, Sharpless, Jumbo, William Parry Triumphe de Grand. Per doz., 50c.; per 100, \$2.00 to \$3.00.

**Asparagus Roots.** Conover's Colossal. Per 100, \$2.00.

**Hop Roots.** Per doz., 75c.

**Rhubarb Roots** (*Myatt's Linnæus*). Per doz., \$2.50.

**Tomato Plants, Horse Radish, Eucalyptus.** Per 10, \$1.25.

**Monterey Cypress and Pine Seedlings.** By 10, 50, 100 or more in boxes.

A large assortment of roses and all other ornamental flowering shrubs and plants.

We send strawberry roots or any above mentioned roots, packed in damp moss to any part of the Pacific coast.

## To Our Friends and Customers.



It is with great pleasure that we appear again before you, in this, our tenth year of business establishment. We have collected for our present season the best and choicest fruit trees, flowering trees, shrubs, plants and bulbs to offer you from China and Japan—the Land of the Rising Sun—and we put before you only what is truly valuable, and will amply repay your care and attention.

Japan is a land of lovely glades and evergreen forests where foliage delights to sport from the deepest green to the brightest golden yellow—where the somber Fir of the North grows side by side with the Fan Palm the Cycas and other Palms.

Its wealth of evergreen, beautifully flowering shrubs and trees is unsurpassed—its tints of foliage, as in MAPLES and variegated leaved plants simply marvelous.

It has been our object for years to place before our friends and customers the best this Land of Blossom affords—one of our firm has visited Japan this spring—and traversed the whole main land of Nippon or Japan proper, from North to South, from Yokohama to Nagasaki—visiting also the Island of Yesso, from Hakodate to Sapporo, bringing back from this excursion some choice novelties, as well as a vast amount of trustworthy information. Here we wish to WARN most seriously against the purchase of plants from IRRESPONSIBLE PARTIES, who carry on this BUSINESS, of late as a SPECULATION, and export plants as they would tea, silk or curios—WITHOUT ANY KNOWLEDGE as to their properties, characteristics—buying promiscuously from any Japanese farmer or gardener, many of whom are but little blessed with botanical knowledge.

All our stock is raised by us in Japan IN OUR NUSERIES, in Yokohama and Anjiyo under the supervision of an able, reliable European Horticulturist whose name is well known to the best and most experienced Nursery men of the United States. This gentleman has been a resident of Japan for sixteen years and besides being a thorough botanist knows every plant growing on Japanese soil—and is responsible for all exported by him.

The general impression prevails that Japan has a tropical climate. In most all parts of Nippon the thermometer falls in winter from 30° to 25° and in the colder parts even to 15° above Zero Fahrenheit—in the island of Yesso the cold is intense—quite as rigorous as in the coldest Eastern States.

All plants designated by us as hardy, are sure to thrive in the East—amongst those are especially all deciduous shrubs, such as Maples, Styrax, Syringa, Viburnums etc. It is only in the Southern Islands that tropical heat prevails and there even in winter, the thermometer does not fall much below 60° above Fahrenheit. What plants coming from Japan most require is humidity, and some varieties prefer a rather shady situation. In very dry climate this humidity must be artificially supplied by sprinkling the plants over head—during the months when rain fall is scarce. With that care given, which every plant requires more or less, there is no reason why these beautiful plants should not gladden the eye and heart of the purchaser. Persons wishing to secure certain plants for fall planting, please send orders early. All orders will be filled as fast as received in order of their receipt; 5 per cent discount on all orders accompanied by cash—on all C. O. D. orders half of the amount is required with order. Our prices are nett—the actual cost of material will be charged for packing. Parties ordering in larger quantities will insure

liberal discount. Any information will be given cheerfully, directions for planting and treatment of plants if desired.

All orders should be addressed to

**H. H. BERGER & CO.,**

315 & 317 WASHINGTON STREET.

P. O. Box 1501, SAN FRANCISCO.



### NOTICE

All claims for errors and deficiencies must be made within ten days after receipt of the stock, when any that may have occurred will be rectified.

We notify customers on day of shipment of such shipment having been made, if goods should fail to arrive within given time, notify us at once to enable us to trace the cause of detention.

Mention in order how trees etc, are to be shipped--if no mention is made we forward to the best of our judgement.

Both in our Japanese nurseries as well as here greatest care is taken to have every tree and plant true to the label; yet there may once in a while, with many men at work, occur a mistake. In any such case we are always ready, on proper proof, to replace the plant, or refund money paid for same, but wish it here distinctly understood that we do not hold ourselves liable for more than the original cost.

## NEW AND RARE PLANTS.



### POT PLANTS OF DAMNACANTHUS INCICUS AND KIN-KAN ORANGE.

An evergreen shrub native of Japan, bearing its tubular snow white flowers in spring, at the same time when its branches are covered with scarlet berries, making a beautiful contrast with the bright green glossy foliage; makes a very fine plant for pot culture in cold climate, and a most desirable shrub for the garden where thermometer does not fall below  $15^{\circ}$  above zero—forms a dense bush of globular form, 4-6 feet high.

Fine pot grown plants 1 to  $1\frac{1}{2}$  feet. Price \$2.00.

**ENKIANTHUS JAPONICUS.**

A deciduous shrub covered in spring with erica like white flowers foliage turning in fall to a bright blood red. Used a great deal for rock work—can be trimmed any shape desired—makes fine hedges, a very desirable shrub whose merits are not sufficiently known. Quite hardy. Price 1.00.

**SERISSA JAPONICA.**

A free blooming evergreen shrub covered in spring and early summer with white upright standing flowers—very fine for floral work or bouquets. Makes a lovely appearance as single bush on the lawn, trained in globular or pyramidal shape, grows to be 3-4 feet high. Price 1-2 feet, 75 cents.

**STYRAX JAPONICA.**

A fine deciduous shrub or dwarf tree; small dogwood like glossy leaves and smooth bark. Branches horizontal, very picturesque in shape and appearance. Flowers like bells, snowy white, hang in richest profusion along the branches on long pedicels. Most valuable in Eastern States as enduring coldest climate. Price 75 cents to \$1.00.

**STYRAX OBASSIA.**

A deciduous shrub or tree of very elegant growth, the leaves are large, heart shaped—the beauty of the flowers is unique. They appear in May on slender branches, along which they hang like snowdrops, petals creamy white—stamens a golden yellow, the perfume is that of hyacinths, one of the *most beautiful and also rarest flowering shrubs of Japan*. Perfectly hardy in cold climate. No garden should be without it. Price according to size, \$1.00 to 2.00.

**PTEROSTYRAX CORYMBOSUM.**

One of the most beautiful shrubs or flowering trees of Japan. In full bloom it cannot be surpassed in beauty. The panicles of snowy white flowers are sometimes a foot in length, the tree is covered with them. It is *hardy in coldest climate*. A most valuable ornamental tree for Eastern States, as well as warm climate. Price \$1.50 to \$2.00.

**CORNUS BRACHYPODA FOLIIS ALBIS VARIEGATIS.**

A deciduous most ornamental tree with silvery foliage variegated with light green, the variegation of which has become fixed and will always come true. Very rare, quite hardy in cold climate. Most beautiful and striking appearance. Price \$1.00 to \$2.00.

**BENTHAMIA JAPONICA.**

A beautiful and most useful tree. It produces an abundance of flowers similar to a single white Clematis—deciduous and very hardy. The wood of this tree is very hard and durable and of exceedingly fine grain—much used for the finest panel work in Japan. Price 75 cents.

**BENTHAMIA JAPONICA FOLIIS VARIEGATIS.**

Same as above, with variegated foliage; very rare and most beautiful. Likes a half shady situation. Price \$1.50



**CORNUS OFFICINALIS.**

A handsome deciduous tree, flowers yellow, covered in fall and winter with bunches of bright red berries, which are especially adapted for winter house decorations, very hardy. Price 75 cents.

**DAPHNE GENKWA.**

A very rare and most interesting flowering shrub, upright growing. with numerous long downy twigs, which in early spring before appearance of leaves, are covered with masses of violet colored, fragrant tubular flowers about an inch long. Price 75 cents.

**MAGNOLIA PARVIFLORA. (FROM OYAMA MOUNTAINS.)**

A deciduous Magnolia, whose flowers are of a silvery white, the cluster of stamens inside of a bright carmine red; the blossoms droop downwards like a hanging bell. Fragrance delightful, quite hardy. One of the most beautiful and rare Magnolis. Price \$1.00 to \$2.00.

**MAGNOLIA PARVIFLORA. (FROM GIO KUSE.)**

Same as above—but the flowers stand erect—and the color of stamens is a chocolate brown. This variety is also very sweet scented. Trees of both these Magnolias in bloom present the most beautiful spectacle; quite hardy. Price \$1.50.

**MAGNOLIA GRANDIFLORA EXONIENSIS.**

A variety of evergreen large leaved Magnolia, which unlike the others of its species, which bloom only at eight or ten years of age, produce large white sweet scented flowers when from one to two feet high. In all other points, height, appearance, etc., is similar to Florida Magnolia. Is originally from China. Price \$1.50 to \$2.00 according to size.

**CHLORANTHUS JAPONICUS.**

An evergreen low growing shrub producing spikes of inconspicuous yellow flowers, deliciously scented, half hardy. Price \$1.00

**SHI-KI-ZAKI.**

Ever blooming Olea Fragrance, from China. In habit similar to common Olea Fragrance, this species flowers the year round, white, exquisitely fragrant. One plant perfumes the air for a large space around it. Price \$2.00

**SKIMMIA JAPONICA.**

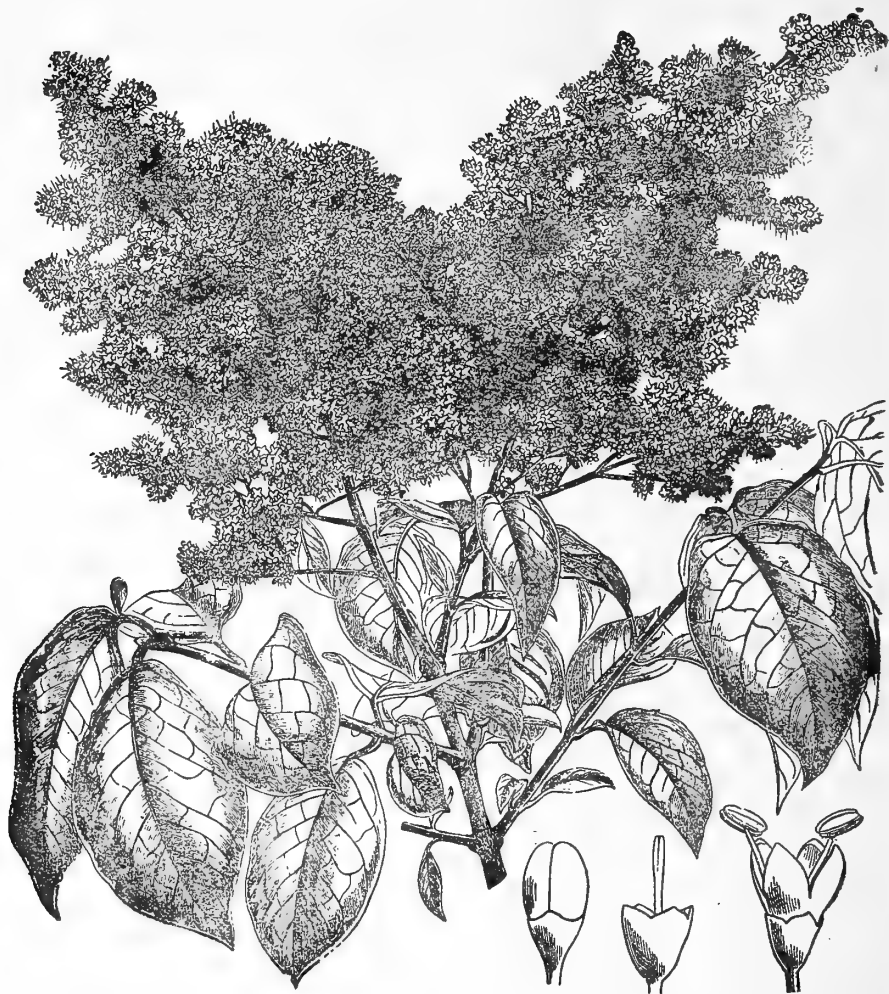
An elegant shrub, with evergreen glossy leaves. Flowers a pure white with a rosy tinge on under side of petals, fragrance similar to Daphne. Berries of a bright red, ripen in October, remain on the branches, through the winter. No lover of rare shrubs should be without it. Price 75 cents to \$1.00 according to size.

**IXORA STRICTA.**

Beautiful evergreen shrub, flowers in clusters, orange red, intermixed with scarlet. Very new and rare, highly ornamental. Price 60 cents.

**IXORA STRICTA ALBA.**

A variety of above, of which but a few plants can as yet be obtained. The flowers are white; this plant is very rare. Price \$2.00



**SYRINGA JAPONICA** (SUMMER FLOWERING WHITE LILAC TREE.)

A newly discovered most beautiful and ornamental tree—introduced from the north of Japan—can bear extreme cold, it is one of the finest additions to our flowering trees. The foliage is similar to our well known Syringa, the bark is smooth, thin, light colored red, resembling that of a young cherry tree. The small white flowers, are borne in immense compound panicles, 18-24 inches long, and 16-18 inches broad. Free flowering and grows with great rapidity. We have secured a small stock of plants which are the only ones under cultivation in Japan at present, also all the seed which can be collected this season:

This tree is indigenous to but one small section of northern Japan. Price \$3.00 to \$5.00. (See Seed List for seed.)

## **NEW VARIETIES OF ROSES.**

### **ROSA BANKSIA GRANDIFLORA ALBA**

An unusually large variety, of this class, which has never been introduced—flowers are 4 inches in diameter—pure white, blooms in profusion. Each \$1.00 to \$2.00.

### **ROSA MAGROPHYLLA** (MOSS ROSE OF JAPAN.)

The calyx of this kind is entirely covered with a heavy coating of light green moss, the plant is vigorous, foliage very fine and light green. The flower is of a dark rose color, very double petals curiously shaped, more or less dentated. A curious and interesting variety, \$1.00 each

### **CHINESE TEA ROSE "HELENE"**

A most profusely ever blooming Tea Rose, producing exceptionally long pointed buds  $2\frac{1}{2}$  to 3 inches in length. This rose similar to Safrano, in habit is finest when in bud, color pure white, with a faint yellowish tinge on lower part of petal. If budded upon strong growing stock, such as Lamarque, Solfaterre, or Reine Marie Henrietta, this rose grows, especially fine. No better rose for winter forcing. Price on application.

## **CAMELLIAS.**

### **NEW AND RARE VARIETIES OF CAMELLIAS.**

A new variety, from China. Flowers attain 20 inches in circumference, color pure white, very double resembling Alba plena fimbriata. Price \$2.00

### **CAMELLIA JAPONICA.**

A Japanese variety of a deep purple hue, almost black, half double, very rarely found. Price \$1.50 to \$2.50

### **CAMELLIA JAPONICA STRIATA.**

Flowers very large, perfectly double, white with delicate red stripes. This camellia is inclined to sport, producing frequently plain red, plain pink, and partly striped flowers on one plant, without being grafted with the different varieties. Most interesting and as yet very rare. Price \$2.00 to \$3.00

### **DOUBLE WHITE SASSANKWA.**

A Camellia which flowers as early as October. Pure white double of the Anemone type. Price \$1.50 to \$2.00

### **DOUBLE RED SASSANKWA.**

Same as above, with red flowers. Price \$1.50 to \$2.50

### **CAMELLIA JAPONICA.**

Double white, with a buff nearly golden tinge. Extremely rare, and but a few plants under cultivation. Price on application.

**STUARTIA MONADELPHA.**

Called in Japan the "Summer flowering Camellia, deciduous, with light green leaves, white flowers resembling a single white camellia. Very beautiful and ornamental. Each 75 cents.

**NEW AND RARE AZALEAS.****AZALEA INDICA.**

An extra large red single flowering Azalea—the petals are of a stiff nature resembling Rhododendrons. Price 75 cents.

**AZALEA INDICA "OTSU."**

A beautiful white Azalea with a broad red margin. Late flowering very profuse. Price 85 cents to \$1.00

**AZALEA BALSAMINAEFLORA OR ROLLISONIA.**

A variety not quite new, still very scarce. The bush is of dwarf habit flowers are as double as camellias, of a bright rose color, sometimes salmon pink. Very fine for bouquets or floral work. Price 50 cents to 75 cents.

**AZALEA STRIATA.**

The most remarkable sporting variety, showing on one bush pure red, pure white and finely striped large flowers, very rare. Late flowerings 75 cents to \$1.00.

**AZALEA ODORA.**

The only sweet scented Azalea in existence. Newly found in the mountains of Western Japan. It is half deciduous and in Spring forms a mass of flowers which appear in very large clusters like Azalea Mollis. The perfume is exquisite similar to Jasmine. Colors vary from a soft pink to a very delicate lilac. Very hardy in cold climate. Price \$1.00 to \$2.50

**RHODODENDRON SCHLEPPENBACHII.**

A deciduous variety covered in Spring with masses of large light pink flowers. Very hardy. Price \$2.00

**RHODODENDRON DILLATATUM.**

The only Azalea which forms a high standard tree. In the Botanical Garden at Ueno a tree is in existence which is about 15 feet high, the trunk 3 inches in diameter, 5 feet from the ground an immense crown is formed, which, when in flower, presents a spectacle which the inhabitants come for miles to see. The flowers are a rosy lilac. This tree is very hardy, deciduous and should be on every lawn as its finest ornament Price \$2.00.

**NOTICE.**

Whenever one customer takes more than one of this list of "New and rare Plants" we make a reduction in price—with every \$5.00 purchase we

add one of the plants free. All these plants are grown in pots with good roots and crowns, from 15 to 24 inches high; perfectly safe to transplant. After transplanting keep for a while shaded until roots establish themselves.

### **CAMELLIA JAPONICA.**

Of these beautiful favorite evergreens which for out door growth in mild climate and for house culture in cold have no equal, we have a very large stock on hand of all sizes and obtainable colors. No garden or conservatory is complete without a collection of them. We offer them single or in sets of varieties.

Double pink, or red, 1-3 feet high strong bushy plants, 50 cents to \$2.00.

Double white Shirange from 1-3 feet, from 75 cents to \$3.00.

Double variegated from 1-3 feet, from 75 cents to \$3.00.

Double white Shiro-Otome the Maiden 1-3 feet, 75 cents to \$3.00.

Single white Camellia Sassankwa from 1-2 feet, 50 cents to \$2.00.

Single red same as white.

A set of 6 fine bushy Camellias averaging 2 feet in height—consisting of white, pink, red, variegated four double and two single flowering, or all double we offer for \$5.00.

We have plants up to 10 feet in height.

Prices vary according to size, color of flower, shape of tree, whether open ground or pot grown. Any information, description and prices given on application.

We can send Camellias safely by freight or express all over the United States.

Liberal discount if larger quantities are ordered.

### **THE CULTIVATION OF THE CAMELLIA.**

In attempting the cultivation of Camellias, it is well to remember that they will not bear neglect in any form, their wants are not many, but they must be supplied and if they are properly cared for, no plants are as easily grown as the Camellia; one essential requisite is to keep their foliage perfectly clean and free from dust and insect pests, as it not only injures the beauty of the plant, but seriously affects its health.

Camellias do best when grown in compost composed of three parts loam, one part leaf mould with a slight admixture of sand. Mix thoroughly and use the compost quite rough. Re-potting is best done after the plants cease blooming; but it is well to avoid re-potting too often, once every three years is enough, for while the plants should not be permitted to become pot-bound, too much root room may prove to be equally injurious. In potting be careful to select porous pots, and let them be well drained, filling them one-third full of drainage, for if the roots become injured, the health of the plant is gone, and many years must elapse ere it can be restored to beauty.

**TEMPERATURE AND WATERING.**

Camellias also require an even temperature and when in the growing state, an abundant supply of water both overhead and at the roots, and after growth ceases, a more moderate supply. They should be given plenty of air at all times, avoiding severe draughts. If large and perfect flowers are desired, not more than one flower-bud should be allowed on each stalk—all others being carefully removed before the buds begin to swell. Water must be given as often as necessary, being careful to thoroughly saturate the entire mass of earth, and the plant should be freely syringed two or three times a week. With a little attention to this as well as to watering, one will not be annoyed by dropping buds, imperfect flowers and sickly foliage. After the flowering season is over, a higher temperature and an abundant supply of water can be given them.

The only insect to which the Camellia is subject is the red spider, and to avoid this, the leaves and stems should be sponged with water and soap as above advised.

Propagation is effected by cuttings and grafting, but amateurs and others had better procure plants which can be obtained at a moderate price from any florist. In selecting plants, choose those of compact symmetrical form, with dark green, healthy foliage, and examine the roots by turning the plants out of the pot to see that they are in a healthy state. The above applies to pot plants.

In California and the Southern States of the Union these lovely shrubs do best in the open air, where they love a half-shady situation.

**RHODODENDRONS.****RHODODENDRON MOLLE.**

This beautiful deciduous Azalea is perfectly hardy in cold climate bears its gorgeous clusters of orange, yellow, salmon and red flowers in spring, before leaves appear. Nothing more beautiful can be imagined than a group of them on a lawn against a background of evergreen. Price \$1.00 to \$2.00.

**AZALEA SINENSIS ALBA.**

Very large single white flowers, evergreen, very hardy, grows in bush form. Price 50 cents.

Same with large lilac red flowers. Price 50 cents.

**AZALEA YODOGAWA.**

A beautiful variety with very double rosy lilac flowers, very rare, fine for forcing. Price \$1.00 to \$1.50

**RHODODENDRON METTERNICHI.**

A very rare Rhododendron, rosy or white flowers in clusters. Price \$1.00.

## MAGNOLIAS.

### MAGNOLIA HYPOLEUCA.

This Magnolia makes a stately tree, the leaves are a foot long with a red mid rib, flowers white and of exquisite fragrance. Deciduous and very hardy. Price \$1.00.

### MAGNOLIA OBOVATA (PURPLE.)

Deciduous, the fine purple cup shaped flowers appear in spring. Price 75 cents.

### MAGNOLIA OBOVATA (RED.)

Same variety as above, with red flowers, very rare. Price \$1.00.

### MAGNOLIA KOBUS.

Very fine Magnolia, large sweet scented blossoms. Price 50 cents.

### MAGNOLIA STELLATA.

The most exquisite magnolia, it forms a low growing shrub, on which star like half double flowers appear in early spring, very hardy. Price 75 cents.

### MAGNOLIA COMPRESSA.

Evergreen, resembles the Banana shrub. Flowers small white of a delicious fragrance. Price \$1.00.

### MAGNOLIA CONSPICUA.

A deciduous magnolia of great beauty. Grows to be a large tree, very hardy: The flowers appear in abundance in spring, before the leaves, white with crimson stamens, cup-shaped, deliciously scented. Price \$1.00.

## DECIDUOUS ORNAMENTAL SHRUBS AND TREES.

### JAPANESE MAPLES.

These charming foliage plants are becoming greater favorites every year, their varied colors, manifold shapes and graceful appearance, make them one of the most beautiful ornaments to a garden. Their hardiness recommending them especially to the Eastern States.

We have out of many varieties selected 12 of the best and valuable.

1. *Atropurpureum*, reddish purple.
2. *Atropurpureum variegatum*, same as No. 1 variegated with a bright pink.
3. *Atropurpureum Dissectum*, the finely dissected leaves of a rich purple color, are like lace. The tree is of a drooping habit, the effect is beautiful.

4. *Atropurpureum Dissectum variegatum*, same as No. 3 the foliage variegated with pink and white, One of the most delicate and charming, must not be too much exposed to the hot sun.

5. *Acer Polymorphum Sanguineum*, leaves of a superb blood red color.

6. *Acer P. Aureum*, foliage golden green through which the light shines as through amber, one the rarest and most exquisite of all Maples.

7. *Acer P. Versicolor*, foliage spotted irregularly with pink, white and green. A choice and most interesting variety.

8. *A. Reticulatum* leaves with a white ground, covered with a net work of translucent green.

9. *A. P. Roseo Marginatis* the bright green leaf is surrounded by a distinct margin of rosy pink, extremely beautiful.

10. *A. P. Palmatum*, a variety with a large leaf of a very bright green.

11. *A. P. Filicifolium*, the leaves of this variety are deeply cut the lobes resembling fern fronds; one of the rarest and most beautiful.

12. *A. P. Scolopendifolium*, a deeply cut narrow leaved variety of a rich claret color, very graceful and distinct. Price for each 75 cents to \$2.00, according to size and variety; set of twelve all fine well grown plants from 15 to 24 inches, \$15.00.

#### ACER or MAPLES. (FOREST VARIETIES.)

These are most interesting on account of their foliage, which although green, varies greatly in form and shape. Four varieties under cultivation. Price 25 to 30 cents.

#### AESCULUS TURBINATA. (WILD CHESTNUT TREE.)

A stately tree, covered in spring with large trusses of pink flowers. Very ornamental, large leaves. Price 50 cents.

#### AILANTHUS GLANDULOSA. (TREE OF HEAVEN.)

Elegant long pinnate leaves; the tree produces a very tropical effect and is peculiarly free from insects or disease. Price 40 cents.

#### AMELANCHIER JAPONICA. (SNOWY MESILUS.)

Covered in early spring with numerous snow-white flowers, foliage in autumn red and yellow. Very fine habit. Price 50 cents.

#### ALBIZZIA JULIBRISSIN.

A species of *accacia* of dwarf growth with very pretty rosy pink feathery tufts of flowers, graceful foliage. Highly interesting, an ornament to any garden. Price 75 cents.

#### BROUSSONETIA PAPYRIFERA. (PAPER MULBERRY.)

Used in Japan for preparation of paper, large curiously lobed leaves, with reddish ribs. Distinct and interesting. Price 25 cents.



**CEDREL CHINENSIS.**

Native of China—resembles *Ailanthus* in foliage, most beautiful in spring when the young leaves appear in all shades of white, pink, rosy red changing afterwards to a bright green. Large trusses of fragrant white flowers, should be in every garden; makes a very beautiful tree for avenue. Each 50 cents.

**CERCIS JAPONICUM.** (JAPAN JUDAS TREE.)

A most valuable lawn tree; flowers appear in Spring, before the leaves, rosy pink almost covering the stems; they are larger than flowers of *Cercis Canadensis*, growth moderate, bush form, foliage deep green—shining, heart shaped. Each 50 cents to 75 cents.

**CERCIDIPHYLLUM JAPONICUM.**

A grand and stately tree; leaves heart shaped and purplish when young, changing to green. Form pyramidal—flowers red and inconspicuous. A most valuable timber tree. Price 75 cents.

**CHIMONANTHUS FRAGRANS.** (JAPAN ALLSPICE TREE.)

Medium sized tree or shrub—flowers white pendant bell shaped, half double and double, best variety lately introduced from Japan. Flowers are deliciously fragrant. Price \$1.50.

**CRATAEGUS CUNEATA.**

A most profusely flowering Japanese hawthorne. Flowers pure white very showy and ornamental. Foliage a glossy dark green. Price 50 cents.

**DESMODIUM JAPONICUM.**

Grows to be 3-4 feet high, to a fine shrub—bearing large upright spikes of purplish flowers. Very hardy and ornamental. Price 50 to 75 cents.

**DEUTZIA GRACILIS.**

The proper Japan variety. This very ornamental plant bears its handsome white flowers in profusion throughout spring and early summer. Very graceful. Price for fine bushy plants, 40 cents.

**DEUTZIA SCABRA.**

Guaranteed to be the true variety has given out in Europe; a very beautiful spring flowering shrub blossoms white. Price 40 cents.

**CLETHRA BARVINENSIS.**

A fine blooming shrub or dwarf tree attains a height of 8 to 10 feet covered in early summer with masses of white bloom, in small spikes of delightful fragrance. A very valuable shrub. Quite hardy. Price 40 cents.

**DIERVILLA JAPONICA VERSICOLOR.**

Also called Weigelia, a well known handsome pink flowering shrub, this variety has the foliage very handsomely variegated in white green and pink. Makes a fine appearance on lawn. Rare and quite hardy. Price 40 to 50 cents.

**EDGEWORTHIA PAPYRIFERA. (JAPAN PAPER TREE.)**

The bark of which is used for manufacture of paper in Japan, a very handsome and highly interesting tree. The foliage fine, flowers white and yellow in early spring. Price 25 cents.

**ELAEOCOCCA CORDATA.**

A highly ornamental and valuable timber tree, with large green three lobed leaves, and smooth shining bark. Growth fine and upright. Price 25 cents.

**ELAEOCOCCA CORDATA FOLIIS VARIEGATIS.**

Same as above, leaves beautifully variegated with clear yellow and-white. A magnificent tree, one of the most showy ornaments of a garden. Price \$2.00.

**EUSCAPHIS STAPHYLLOIDES.**

A most beautiful tree of strikingly handsome appearance, covered in fall with bright scarlet berries, in bunches. The foliage is feathery and bright green. Highly ornamental, very hardy. Price \$1.00.

**FONTANESA CHINENSIS.**

New plant from China, snow white blossoms in early summer. Very ornamental, as yet quite rare. Hardy. Price \$1.50

**GLEDITCHIA JAPONICA.**

A large growing Accacia like tree, with thorns and pea green foliage, very handsome and ornamental flowers in spring. The wood is highly useful on account of its fine grain. Price 25 cents.

**HAMAMELIS JAPONICA. (JAPAN WITCH HAZEL.)**

Very ornamental, when the leaves fall off in autumn the tree begins to bloom, bearing bunches of yellow flowers through the winter. Price 50 cents.

**HYDRANGEAS.**

This beautiful shrub, which under favorable circumstances attains the height of from 6--8 feet, covered with panicles of flowers, we have in stock in the finest and most desirable sorts.

Grandiflora paniculata. Pure white. Rose flowered Hydrangea. Blue Hydrangea. White with variegated foliage. Strong pot-grown plants from 50 cents to \$1.00.

**HYPERICUM PATULATUM. (ST. JOHN'S WORT.)**

Ornamental shrub, large bright yellow flowers, blooming all through summer and fall. Price 25 cents.

**LAGERSTROEMIA INDICIA** (CHINESE GRAPE MYRTLE.)

A new purple flowering variety, from China. Very rare; grows to a large size in the mountainous districts of Western Japan; the wood is highly prized for its hardness. Price \$1.00.

**NEGUNDO FOLIIS ALBIS VARIEGATIS.**

A most magnificent tree, with superb white variegations, the whole foliage looks as if covered with snow. One of the most charming trees.

But very few plants of it in Japan. Price 2.00.

**MELIA JAPONICA.**

A rapid growing tree, with very fine fern like foliage, and clusters of purplish flowers. Price 40 cents.

**PAULOWNA IMPERIALIS.**

This is one of the magnificent trees of Japan; it attains a height of 40-60 feet, is of very rapid growth, leaves attain a remarkable size—the flowers appear in April or May, are of a delicate purplish hue and are borne on tall upright spikes—no tree has a finer or more tropical effect. It should be largely cultivated, not only, for its fine appearance but for the great value of the wood which in Japan is used for all delicate cabinet work owing to its remarkable hardness—at the same time being very light in weight. The tree thrives on poor soil and is very hardy. Each 25 cents to 50 cents.

**PLATANThERA JAPONICA.**

A most strikingly beautiful tree of rapid growth. The leaves are very large smooth, glossy, bright green and slightly indented. Price 40 cents.

**PRUNUS MUME.**

We have these lovely flowering trees in different varieties, blossoms double or half double, pure white, rosy pink or dark rose. Who ever has seen these beautiful trees in flower in Japan where they are cultivated with idolatry will never forget the enchanting sight they offer in Spring.

Open ground, either color 25 cents. Strong pot plants, grown in fancy shapes from \$1.00 to \$2.00. These will all flower first year, all set with buds.

**PRUNUS PERSICA.**

Double flowering peaches. Double red. Double white. Double red and white on one stem—very rare. Grown in pots, with buds, from 50 cents to \$1.50.

**PRUNUS PSEUDO CERASUS.** (DOUBLE FLOWERING CHERRIES.)

Best double variety, potgrown plants with buds, the flowers are rosy pink often the size of a half dollar. Price 50 cents to \$1.00, open ground 25 cents.

**PRUNUS TRIFLORA** (SMOMO.)

A beautiful flowering plum tree—rosy semi double blossoms Pot grown, with buds. Price 50 cents to \$1.00, open ground 25 cents.

All the above varieties of double flowering trees are cultivated by Japanese to the greatest perfection. Spring in Japan transforms the whole land into a

vast flower garden as no cottage however humble but boasts of one or two of these plants, in open ground or carefully grown in pots—the temples are surrounded by them. Every lover of the beautiful should cultivate them.

### **PYRUS SPECTABILIS.**

Another of above varieties is the half-double flowering Crab Apple; rosy pink large flowers, buds a deep carmine. Pot grown, with buds 50 cents. Open ground 25 cents.

### **QUERCUS SERRATA.**

A deciduous oak, much used in Japan for silk culture; the silk gained from worms fed on these leaves, is called Yamana, Maye, and used exclusively for the manufacture of fish gut for salmon trout fishing. Price 40 cents.

### **QUERCUS PINNATIFIDA.**

A very rare variety of oak with fern like feathery foliage. Pot plants 75c.

### **RAPHIOLEPIS JAPONICA. (HAWTHORNE.)**

A very handsome, extremely hardy tree, with glossy leaves, and white flowers with chocolate eye, blooming very profusely. Price 75 cents.

### **SOPHORA PLATYCARPA,**

Used in silk dyeing by Japanese, a very ornamental tree, with delicate fern like foliage. Handsome and of a rapid growth. Price 50 to 75 cents.

### **RHUS SUCCEDANEA.**

From the fruit of this tree the vegetable wax which forms a staple article of export is extracted; all candles throughout Japan are prepared from it. This tree is not only very ornamental, the foliage appearing bright crimson and yellow before turning green, but could be made if planted largely very profitable. Very hardy. Price 25 cents.

### **RHUS VERNICIFERA.**

The lacquer used in their fine work is prepared from it by Japanese. Tree very ornamental handsome foliage. Price 25 cents.

### **STACHYRUS PRAECOX.**

A very handsome shrub, covered in early summer with racemess of yellow flowers. Price 50 cents.

### **STAPHYLAEA BUMALEA. (JAPAN BLADDER NUT.)**

Very handsome ornamental tree or shrub, covered early in summer with masses of sweet scented white blossoms in clusters. Foliage very bright green. One of the finest of Japanese dwarf trees. Quite hardy. Price 75 cents.

### **TAMARIX SINENSIS.**

Strong slender growing shrub, very delicate, feathery foliage, pink purplish flowers in feathery clusters. Can be pruned to a single stem and then makes a small tree of great beauty. Price 50 cents.

**VIBURNUM PLICATUM. (JAPAN SNOWBALL.)**

Very fine compact habit, solid crinkled or plicated rich green leaves, balls of white flowers, larger, more solid than common snowballs. Very hardy. Price 30 to 50 cents.

**VIBURNUM PLICATUM VARIEGATUM.**

Same as above, foliage variegated a golden yellow or white. Very fine and rare. Both love a half shady situation. Price \$1.00 to \$1.50.

**ZELKOWA KIAKI (KIAKI ELM.)**

One of the finest timber trees of Japan where it is highly prized.

The tree is medium sized, with elegant foliage. The leaves are large, glossy bright green deeply indented on bright red stems. The young shoots are also red. Very ornamental. Price 50 cents.

**EVERGREEN ORNAMENTAL TREES AND SHRUBS.**

**ANDROMEDA JAPONICA.**

Compact round bush, ovate lanceolate leaves, covered with white wax like racemes of flowers in spring, slightly sweet scented. Choice and very beautiful. Price \$1.00

Same as above, foliage variegated. Price \$1.00.

Other varieties of interesting flowering Andromedas, urn shaped, white and red blossoms, etc. From 75 cents to \$1.00 and \$1.50.

**ARALIA SIEBOLDI VARIEGTA. or FATSIA JAPONICA.**

A very fine interesting dwarf tree, with large three lobed leaves of a glossy green variegated with golden yellow, large trusses of white flowers in summer, purplish red seed vessels in Autumn. Spreading habit, very beautiful. Price \$1.00 to \$2.00.

**ARDISIA JAPONICA.**

A half hardy, very fine evergreen shrub, with glossy dark ovate leaves, bearing clusters of snowy white or bright scarlet berries. Beautiful for winter house decoration. Price 50 cents.

**BERBERIS FORTUNEI.**

Medium size, flowers bright yellow in trusses, berries round and black, very abundant; the effect of the berries and shining green foliage is very striking. Price \$1.00.

**ANCUBA JAPONICA. (OR GOLDEN DUST TREE.)**

Of this beautiful evergreen we import the newest and rarest varieties only. Some of them are almost a golden yellow with a tinge of green; others dark green with silvery white or yellow. Varieties mentioned bear bright red berries in winter. Price from 50 cents to \$2.00.

**CINNAMONUM CAMPHORA.** (CAMPHOR TREE.)

This tree should be cultivated everywhere where the thermometer does not fall below 10° above Zero, Fahrenheit. It is one of the most beautiful evergreen trees imaginable; attains a height of 50–60 feet, of an upright habit, forms a beautiful dense crown; is entirely free from disease or insects—most valuable for its wood; from it is extracted the camphor of commerce. An avenue of these trees, or single specimens are superb. Is of rapid growth. Price 50 cents to \$1.00. 25 cents for small plants.

**CINNAMONUM SERICEUM.** (CINNAMON TREE.)

From the bark of the root of this tree is gained the Cinnamon so much used in our kitchens. Very interesting, ornamental, leaves ovate of a deep glossy green—habit same as Camphor tree. Should not fail in any collection of rare plants. Price 75 cents to \$1.00.

**CLEYERA JAPONICA VARIEGATA.**

An evergreen shrub of great beauty. The leaves are variegated with yellow, white and pinkish tinge, of remarkably fine pyramidal growth. Wax-like white flowers in spring. Loves a half shady situation. Price \$1.00 to \$2.00 according to size.

**DAPHNIPHYLLUM MACROPODON.**

Forms a remarkably beautiful globular compact tree; leaves are glossy green above and whitish underneath. One of the most elegant trees on a lawn. Price 50 cents.

**DAPHNIPHYLLUM MACROPODON VARIEGATUM.**

Same as above, foliage beautifully variegated. This is very rare and our stock is limited. A most striking appearance on a lawn. Magnificent. Price \$2.00.

**DAPHNE ODORA ALBA.**

Of this favorite and beautiful shrub we have plants from one to two feet high bushy with buds. Price from 50 cents to \$2.00 according to size and shape; pot grown.

**DAPHNE ODORA RUBRA.**

Same as above with red blossoms. Strong bushy plants 1–1½–2½ feet high very fine, pot grown. Same as *Alba*.

**EUONYMOUS JAPONICUS.**

Of this well known ornamental Evergreen we import only new and rare varieties—not as yet known. Price 50 cents to \$1.00.

**EURYA JAPONICA**

Medium sized leaf superbly variegated. New and rare. Price \$1.00.

**GARDENIA RADICANS FLORE PLENO.**

Of this favorite and choice Evergreen we have 4 to 5 years old, strong plants, all in bud. Price 50 cents.

**GARDENIA FOLIIS ALBIS VARIEGATIS.**

A very pretty variety. Dwarf growth, foliage variegated with white, flowers freely, especially fine for borders. Price 50 cents.

**GARDENIA SINENSIS GRANDIFLORA.**

From China—flowers attain a size of 4 inches in diameter—single and deliciously fragrant. Quite rare as yet. Price \$1.00.

**ILEX.**

These very handsome and ornamental evergreens which in winter are mostly covered with scarlet or dark berries are cultivated to a great extent in Japan. We have selected the best and most ornamental varieties.

**ILEX CRENATA.**

Small leaved species. Price 50 cents.

**ILEX ARGENTEA.**

Leaves with beautiful silvery variegation. Price 50 to 75 cents.

**ILEX LATIFOLIA.**

Very large glossy leaf. Price 50 cents.

**ILEX ROTUNDA.**

Round leaved glossy foliage, Price 50 cents.

**ILEX SERRATA.**

Green leaved plants. Each 50 cents.

Above finely variegated. Each from 50 cents to \$1.50.

**ILICIIUM RELIGIOSUM.**

The holy plant of Japan, planted around temples and graves of Emperors.

A very interesting, beautiful evergreen—with sweet scented yellow star like flowers in spring. Foliage bright green, very glossy. Price 50 cents to \$1.00.

**LEDUM PALUSTRUM.**

New variety from Yesso. A spreading compact bush perfectly hardy with small box like leaves and clusters of white flowers. The leaves when dried and pulverized are highly valuable as insect powder. Price \$1.00.

**LINDERA SERICEA.**

A fine evergreen shrub, the wood is very sweet scented and aromatic, used much in manufacture of tooth-picks in Japan. Price 50 cents.

**NANDINA DOMESTICA.**

Evergreen, bears in spring tall spikes of handsome white flowers—foliage fern like, pinnate—covered in fall and through Winter with masses of red or white berries. Price from 50 cents to \$1.00.

**OLEA FRAGRANS.**

Beautiful dark green foliage much admired for the delicious fragrance of its blossoms—one plant is enough to scent a whole room. White or yellow flowers, blooms in Japan in October. Plants according to size from 35 cents to \$1.00

**PHOTINIA GLABRA.**

Resembles the *Eugenia Australis*. Glossy beautiful foliage, appears in Spring when young of a very fine roseate tinge. In early Summer large clusters of white flowers. An evergreen tree which is most to be recommended, can be trained and trimmed into any shape. Much used for evergreen hedges in Japan far more beautiful than *Laurustinus* which it somewhat resembles. Price from 25 cents to \$1.00.

**PUNICA GRANATUM.** (DOUBLE FLOWERING POMEGRANATE.)

Best double flowering varieties large flowers, white and red, yellow, red and orange, yellow and white. Very ornamental and showy, a beautiful sight on a lawn. Pot grown strong plants, each \$1.00 to \$2.00.

**QUERCUS CUSPIDATA.**

This noble evergreen oak merits to be introduced everywhere. Its magnificent growth, elegant form, entitles it to a place amongst the finest evergreens. Its habit and foliage resembles the Camphor tree for which it might easily be mistaken at a distance. Its bark is shiny and smooth, limbs straight, crown of a magnificent shape. Price 50 cents.

**QUERCUS BUERGERI.**

A variety of above, but with leaves glaucous and larger size. Much in demand in England. Price 50 cents.

**TERNSTROEMIA JAPONICA.**

Tree of fine habit, with oblong glossy leaves. The yellow blossoms, very sweetly scented, appear in great abundance in Summer on short single stems. Bright yellow berries, size of a cranberry red where they are exposed to the sun, ripen in Fall, giving the tree a very striking appearance. Very choice and rare. Price \$1.00.

**THEA CHINENSIS.**

The tea plant of Japan. This is a highly interesting evergreen shrub; ornamental with pretty waxy white blossoms. Its young leaves furnish us tea. Price 50 cents.

**VIBURNUM ODORATISSIMUM.**

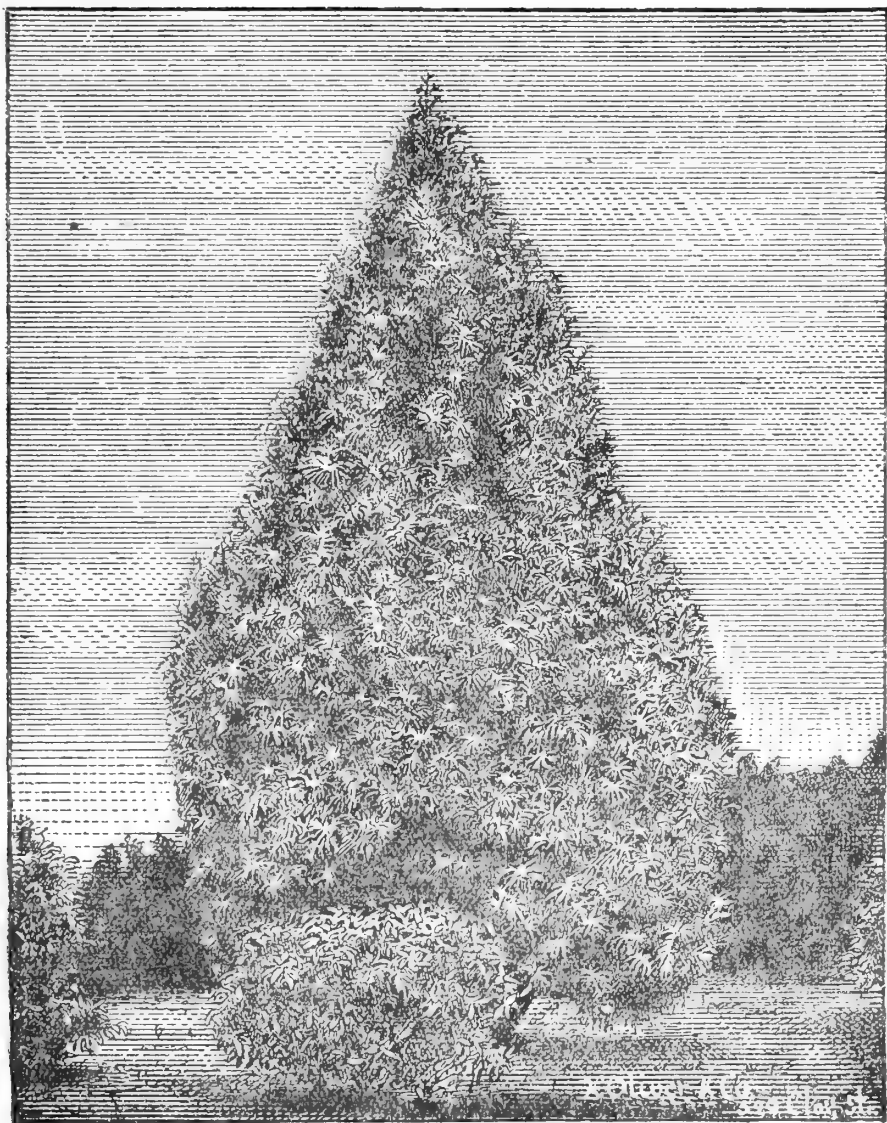
Rapid growing large leaved variety of evergreen *Viburnum* ornamental tree much used for hedges in Japan. Grows to be as a tree 50-60 feet high. Clusters of white flowers in Spring, covered with bright red berries; in Fall and Winter therefore called by the Japanese the *Coral tree*. Price 75 cents.

**VIBURNUM ODORATISSIMUM VARIEGATUM.**

Variety of above with foliage strikingly and beautifully variegated, white, pink, red and brown. One of the finest Japanese plants. Very rare. Price \$2.00.



## CONIFEROUS TREES.



**SCIADOPITYS VERTICILLATA.** (THE JAPANESE UMBRELLA TREE.)

Has been recognized as the grandest conifer in the world. Its appearance is truly wonderful, once it has attained a larger size. It attains a height of 80 feet. Is at first of somewhat slow growth, but once established, is not behind in growth to any other conifers. We import on that account extra large specimens

from 6-10 feet high on special order. They are perfectly safe to transplant and hardy all over the East. Plants from 1 to 2½ feet. \$1.00 to \$4.00. Price of larger plants on application.

### **CEPHALOTAXUS DRUPACEA** (FROM KOREA).

Dark leaved, pyramidal growing, much resembling the Irish Yew in habit. Price \$1.00.

### **CHAMAECYPARIS** (SEE RETINOSPORA).

#### **CRYPTOMERIA.**

Of this favorite and beautiful Japanese conifer we have following fine varieties:

#### **CRYPTOMERIA VARIEGATA.**

A most beautifully white variegated ornamental species, forming a small tree well adapted for half shady places. Hardy south of Washington. Price from 40 cents to \$1.00 according to size.

#### **CRYPTOMERIA PIGMAEA.**

A most peculiar small dwarf variety resembling a Retinospora, being very compact in growth, best adapted for rock work or fancy gardening. Price 35 cents to \$1.00.

#### **CRYPTOMERIA ELEGANS.**

One of the most ornamental conifers, and by far the handsomest of all Cryptomerias. Of a feathery appearance, resembling somewhat the Cedrus Deodora, of a silvery or glaucous green color, which in a cold climate turns to a most beautiful reddish brown in Winter, forming a striking contrast with the darker conifers. Should be planted everywhere for its great beauty. Price 50 cents.

Other fancy varieties according to size and variety.

### **CUNNINGHAMIA SINENSIS.** (ARAUCARIA SINENSIS.)

Resembling somewhat the Araucaria Bidwelli, branches of a dark glossy green are disposed in whorls. Striking and beautiful. Rare, \$1.00 to \$2.00.

### **JUNIPERUS SINENSIS FOLIIS ALBIS VARIEGATIS.**

One of the most desirable of the genus. Growth compact and pyramidal, dark green foliage interspersed with branchlets of a silvery white, very attractive and unique. Price 50 cents to \$1.00.

### **JUNIPERUS SINENSIS PROCUMBENS.**

A prostrate shrub, trailing along the ground not rising higher than 8 or 10 inches above it, but spreading over a large space. Leaves a dull silvery green; valuable for rock work or side hills. Price 40 cents.

Variety of above interspersed with white or yellow branches, making a very fine effect. Price 50 cents.

### **LARIX LEPTOLEPSIS.** (JAPAN LARCH OR MONEY PINE.)

Most vigorous grower of all the Larches, slender, very fine habit. Foliage a glaucous green. Price 25 cents to 50 cents.

**PINUS MASSONIANA.**

A very large growing pine, extremely hardy. Price 25 cents to 50 cents.  
Variegated specimens which are very rare \$2.00.

**PINUS DENSIFLORA.**

One of the handsomest of all pines. Strong growing, rich dark, massive foliage. Price 25 cents to 50 cents.  
Variegated foliage, very rare, \$1.00 to \$2.00.

**PINUS PARVIFLORA.**

Small tree with very glaucous leaves, and spreading horizontal well covered branches. Very fine appearing conifer. Price 50 cents.

**PINUS KORAENSIS. (SEA COAST PINE.)**

One of the hardiest of all pines, low growing tree with slender leaves, Very ornamental. Price 50 cents.

Variegated specimens of above, very rare and interesting, golden, green and white, Aurea and Argentea. Pot grown and perfectly safe to transplant. Price \$2.00 to \$3.00.

**PODOCARPUS MACROPHYLLA.**

A beautiful coniferous tree of pyramidal growth, with dark shining green leaves, luxuriant in growth; forms one of the most beautiful evergreen hedges. Price 25 cents to 50 cents.

Variety of above with pure white or golden variegations. Extremely rare, one of the most beautiful coniferous trees of Japan. \$2.00 to 3.00.

**PODOCARPUS NAGEIA VARIEGATA.**

A variety with two inch long cordate leaves, glossy dark green with white variegation. Extremely rare. Price \$2.00 to \$3.00.

Same in dark green. Price 25 cents to 50 cents.

**RETINOSPORA.**

Of this most interesting class of conifers we have a large assortment of any size desired, from 1-6-8 feet. These latter should be ordered sometime ahead. Most beautiful variegation in gold or white. We here give the names of some.

*Retinospora obtusa aurea* variegata. *Retinospora obtusa argentea* variegata. These two are variegated with yellow or white.

*Retinospora cricoides*, conical pyramidal bush, changing in Winter from bluish green to violet purple.

*Retinospora filifera aurea*, tree of very elegant appearance, branches feathery, dark green, variegated with golden yellow.

*Retinospora plumosa*, very hardy and graceful, with delicate glaucous foliage.

*Retinospora aurea*, A most valuable variety; its shoots are golden tinted throughout the year brighter in the Winter. A collection of the finest and most interesting of Retinosporas comprising the variegated, good sized plants 12 in number for \$10.00. Single plants of above varieties from 50 cents to \$2.00.

**SALISBURIA ADIANTIFOLIA VARIEGATA, (MAIDEN HAIR TREE).**

Leaves handsomely variegated yellow and white makes a beautiful appearance. This is a deciduous conifer. The nuts of this species are largely eaten when roasted or boiled in Japan. The tree is of a very upright fine habit. The variegated species is quite rare. Price \$ 1.50 to \$2.00

**TAXUS CUSPIDATA AUREA (GOLDEN YEW OF JAPAN.)**

Dense bushy, with somewhat ascending branches, of a golden hue. Choice and most rare. Price \$2.00.

**THUJOPSIS DOLABRATA FOLIIS VARIEGATIS.**

Flattened fern like foliage, variegation silvery white, very beautiful and effective. Price \$1.00.

From Australia we will import and have in stock this season.

*Araucaria Excelsa* fine plants from 12 to 30 inches.

*Araucara Imbricata*, 9-18 inches.

*Araucatia Bidwelli*, 9-30 inches.

*Cunninghamia Glauca*, 9-30 inches.

Prices varying from \$1.00 to \$3.00 according to size.

**CLIMBING PLANTS.**

A variety of climbing Asparagus, with very fine feathery, fern like foliage. Especially valuable for bouquets.

**AMPELOPSIS VEITCHII.**

A well known Japan climber with deeply cut leaves, and ornamental blue berries,

**BERCHEMIA RACEMOSA.**

Shrubby climber covered with handsome dark blue berries in form of upright standing grapes, very showy quite hardy. Price 50 cents.

**CLEMATIS.**

Of this favorite flowering climber we have some new and fine varieties.

**CLEMATIS TUBULOSA.**

From the mountains of Yesso. Is extremely hardy, never before imported. Blue flowers with yellow hearts, borne in long spikes; blooms in July and August. Price \$2.00.

**LONICERA XYLOSTEUM.**

A beautiful evergreen shrubby climber, the leaves are a bright glossy green on the surface, and of a rich crimson color underneath; grown in pots it makes a very compact fine bush. Flowers white, sweet scented. Very ornamental, new and rare introduction.

Strong, well established plants, \$2.00

### CLEMATIS FLORIDA.

Late flowering variety, steel blue large single flowers. Price 50 cents.

Single white Clematis, like Jackmannii. Price 50 cents.

Single purple Clematis. Price 50 cents.

Double white large flowering Clematis \$1.00.

Double purple large flowering Clematis \$1.00.

} All these plants are 2 year  
old, very strong.

The flowers of two last named are very large, beautiful in shape and color.

### HEDERA JAPONICA VARIEGATA.

Variegated Ivy, this is a most lovely small leaved ivy, bright green, with white variegation. Fast growing, very showy and ornamental. Price 50 cents.

### KADSURA JAPONICA.

A very elegant climbing plant, glossy green foliage, white wax like flowers, appear in Summer, which form very handsome large red berries resembling in shape a raspberry, but much larger and of a bright glossy red. Is very ornamental and a fine plant for indoor culture. \$1.00.

Variegated foliage variety of above, very rare. \$2.00.

### PASSIFLORA COERULEA JAPONICA.

A very hardy Passion vine, the flower is white, with a corolla of purplish blue. Very handsome. *New Importation.* Price \$1.00.

### PIPER-FUTO-KADSURA.

A new introduction from Japan. Glossy green leaves, with bunches of bright red berries. Half hardy, quite rare and choice. Price 1.00 to \$1.50.

### RUBUS ROSAEFOLIUS.

Shrubby climber; double white, profusely flowering blackberry. Flowers attain 2 inches in diameter. Highly ornamental. Price 50 cents.

### RUBUS PHOENICOLASIUS (SHAGGY RASPBERRY.)

Very fine flowering shrubby climber. Price 75 cents.

### STAUNTONIA HEXAPHYLLA.

An extremely fine climber bearing in spring long racemes of white flowers, very fragrant, fruit is edible. Can be highly recommended. Price \$1.00.

### TECOMA JASMINOIDES, (FROM RIU-KIU.)

Glossy green foliage, very showy pure white blossoms with crimson throat like a gloxinia. Very fine evergreen climber. 50 cents to \$1.00.

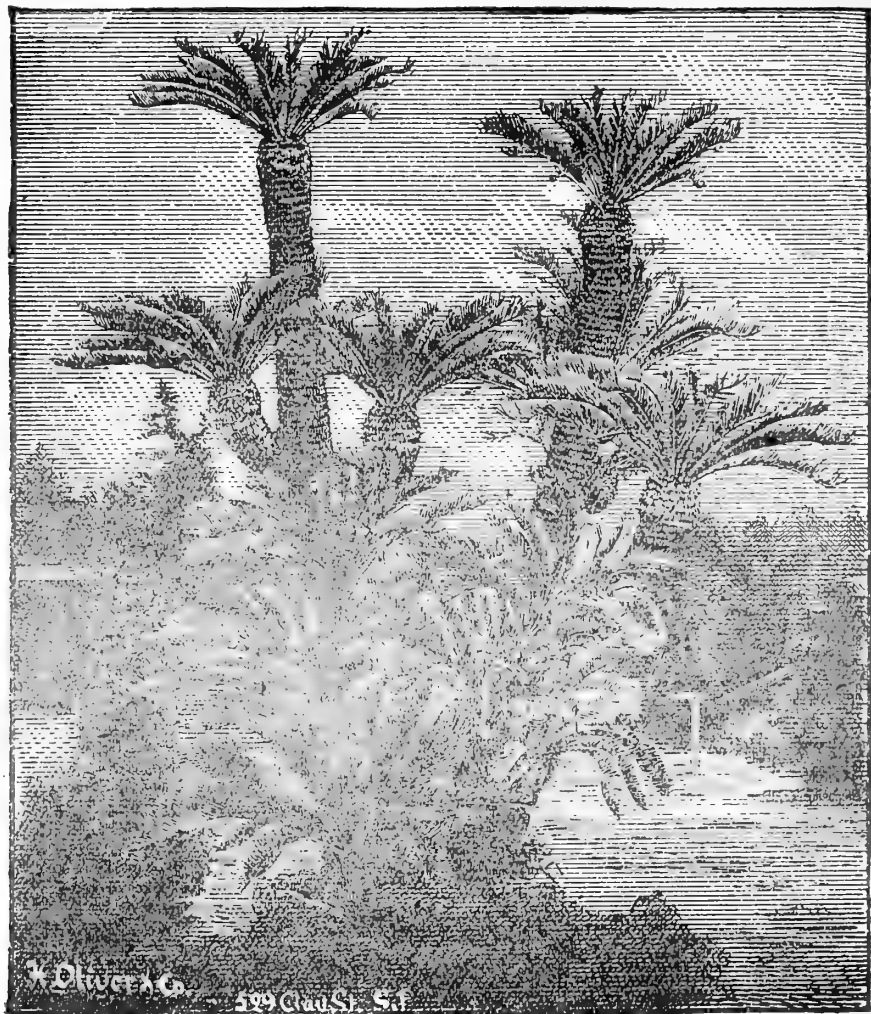
### \* WISTERIA SINENSIS.

The single blue and single white variety, strong well established plants with flower racemes over two feet long. Price 75 cents to \$1.00.

### DOUBLE BLUE WISTERIA.

Quite rare, strong plants. Price from 75 cents to \$1.50, according to size.

\*See description in American Florist for September 1st, 1887.

**PALMS.****CYCAS REVOLUTA. (SAGO PALM.)**

This is one of the grandest palms growing. Hardy outdoors up to 20° above Zero.

Fine specimens with roots and crown well developed in leaf. Prices vary according to size and shape from \$1.00, to \$10.00. For extra large specimens prices on application.

**CHAMAEROPS EXCELSA SINENSIS (SHORT LEAVED FAN PALM.)**

Of this beautiful palm we have specimens from 1 foot to 3 feet in height. Price \$2.00 to \$5.00.

Same variegated only a few in existence. Price on application.

**LIVISTONIA SINENSIS.**

A very handsome palm, with fan shaped leaves. 1 to 1½ ft, with 5 or 6 leaves. \$2.00.

**RAPHIS FLABELLIFORMIS.**

The handsomest, rarest palm of Japan. Finest when grown in groups. Strong plants. Price from \$1.50 to \$3.00.

**RAPHIS FLABELLIFORMIS FOLIIS VARIEGATIS.**

Same with finely variegated foliage, but few of them are to be found in Japan, and none have ever been imported hitherto. Price on application.

**WEEPING TREES.****BIOTA PENDULA.**

An evergreen coniferous tree with graceful drooping branches. Price \$1.00.

**CERASUS JAPONICA PENDULA.**

Weeping cherry tree; this is a most beautiful double flowering cherry tree of weeping habit. Very interesting and of the most striking effect. Price \$1.00.

**WEEPING GOLDEN RETINOSPORA.**

A striking variety with golden variegations. Makes a most beautiful effect when planted on a lawn. Price 50 cents to \$1.00.

**SOPHORA PENDULA.**

One of the most beautiful weeping trees. Very regular and graceful habit, made up of picturesque short curves and small foliage hanging in pendulous tresses. Rare and choice. Price 75 cents to \$1.00.

Many other varieties of Biotas trained into weeping habit.

**PERENNIALS AND MISCELLANEOUS PLANTS.****ASTILBE JAPONICA.**

A very handsome herbaceous plant flowering profusely in Spring and Summer, upright spikes of white flowers most valuable for Bouquets. Sprigs of blossoms very delicate, foliage dark green glossy. Price 25 cents.

**CAMPANULA MARIESI.**

This plant which has created quite a sensation in England, is a rapid grower dark handsome foliage, the flowers of an open bell shape are deep blue and large. Very desirable variety of Campanula. New and rare. Price \$1.00.

**OPHIOGON JABURAN.**

A very handsome plant, foliage most beautifully variegated, producing masses of blue flowers, in upright spikes, the foliage is beautifully variegated green and white. Very fine in open ground or pot culture in winter. An elegant house decoration plant. Price \$1.00.

**PLECTOGYNE VARIEGATA.**

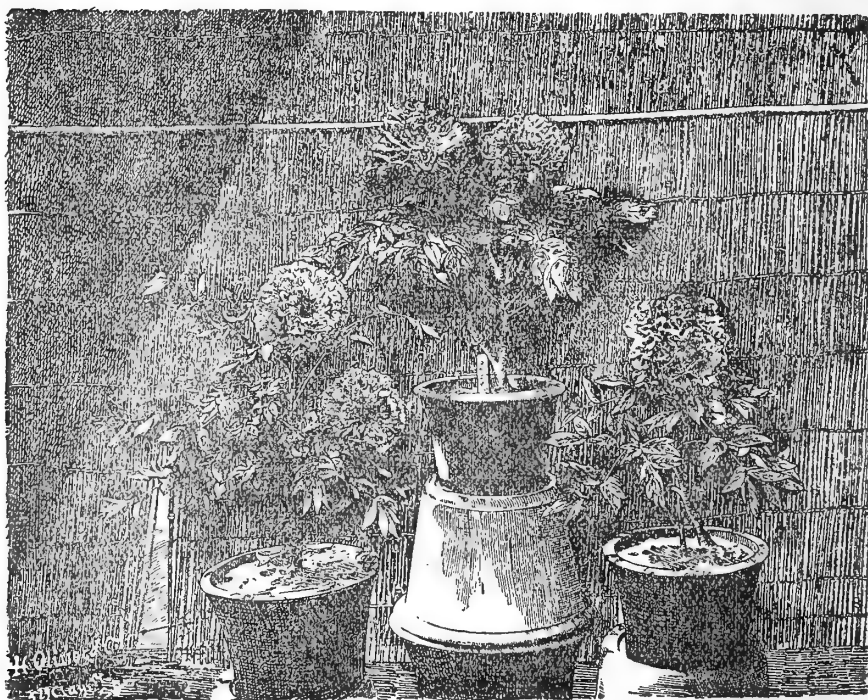
Another beautiful foliage plant, especially adapted for house decoration the leaves are sometimes 2 feet long of a deep glossy green, striped white, very graceful and effective. Can stand any amount of neglect. Price 75 cents.

**ROSA RUGOSA.**

This rose is most striking when planted in masses, the foliage is of the deepest green, leaves small, the flowers are single, very large, from 3-4 inches in diameter with a mass of yellow stamens in center.

Dark crimson. Price 75 cents.

Pure white, very rare. Price \$1.00.

**PAEONIAS.**

The Paeonias, the Iris, the Chrysanthemums, are besides the Camellias flowers to which the Japanese devote most of their skill and in the perfecting of which they set the greatest pride. Every season when these plants are in



bloom, exhibitions are held in all the different parts of the Empire and no one who has not been an eye witness can have any idea of the wealth of color or beauty of the plants exhibited. We have made it a special point to export of these above named plants only the very best and newest varieties, together with those better known. We have tested through experience that none of the Tree Paeonias imported from France can compare with our prize plants, that is those, which received prizes here in Japan, where the cultivation of these flowers amounts to idolatry. It would be useless to describe these flowers as it cannot be done. The colors range from the purest white through all shades of rose, crimson red, brown, purple, rosy lilac, to so deep a purplish brown as to be almost black, in fact the Japanese call it "Kuro," meaning black. There are others striped in red and white, crimson with yellow border. We wish our Customers to design colors desired, or we will on application send a hand painted set of different varieties for inspection and selection; provided the order is for more than one or two plants. These pictures are perfectly true to nature. For smaller orders or simple colors the best way to order is to write to us what shades are wanted white, pink, red, crimson, brown, purple, etc. Same applies to Iris and Chrysanthemums, we have pictures of these, or you can mention the desired shades of color. Tree Paeonias, flowers double 2 years from grafts will bloom first season, each \$2.00

Ten plants \$15.00.

#### HERBACEOUS PAEONIAS.

We have the newest sorts of these plants. Per set of 10, all selected double sorts \$5.00.

Single plants, \$1.00.

#### IRIS KAEMPFERI.

These flowers cannot be described as to beauty and gorgeousness. We are willing as above mentioned to send pictures for selection where order is not for less than 10 roots. These plants grow in Japan 3-3½ feet in height, the flowers are often 8 inches in diameter. They require, if not planted along a water side to attain full perfection, an artificially marshy ground, by puddling the place intended for them with clay, filling in with very rich soil or loam and having water to stand on the surface thus formed, but not more than 3 inches.

Our flowers are all double and out of over 100 varieties we have selected 30 of the best in shape and coloring. Each 50 cents. Ten \$4.00.

#### IRIS SIBIRICA VARIETY ORIENTALIS.

A very handsome Iris; light blue and of a darker shade. Price 25 cents.

#### IRIS TECTORUM.

A very early flowering handsomely shaped Iris, with green lanceolate leaves, flower of a deep royal purple. Price 25 cents.

**IRIS STYLOSA LILACINA.**

This is a most pretty delicate variety of, Iris, the flowers are of a soft lilac with the inner petals shaded in orange and bright yellow. Very ornamental, free bloomer. Price 25 cents to 40 cents.

**PARDANTHUS SINENSIS.**

Belonging to Iridae family, this is a most gorgeous blooming plant with lanceolate leaves, large spikes of orange colored flowers speckled carmine.

**CHRYSANTHEMUMS.**

We claim to have a set of 30 new varieties, which in point of shape and coloring defy all competition. To describe them would be useless; to any purchaser of not less than 10 of these new sorts we will send pictures for selection.

Ordering any of the better known sorts please to mention colors, such as yellow, white, pink, carmine, rose, bronze, brown, lilac, and rely on us to furnish you with the very best only, all fine and of the Japanese sorts large flowers. Each 35 cents. Ten \$3.00. Prices for new set of Chrysanthemums on application.

**PRIMULA CORTUSOIDES.**

These beautiful Primulas are now in greater demand than ever, we have about 100 varieties of them, in color, ranging from pure white, pink, lilac, purple, crimson, striped, speckled; they bloom in the greatest profusion. Price 25 cents.

**ORCHIDS.**

To this interesting family Japan furnishes some very fine specimens, the great advantage being, that they are all cool house. Can stand a very low temperature.

**AERIDES JAPONICUM.**

This epiphytial Orchid, bears masses of white flowers with a lilac lip, it is highly sweet scented. Fastened to blocks or limbs of a tree, it will in masses produce a very striking effect. Fine plants \$1.00.

**ANGRAECUM FALCATUM.**

A free flowering beautiful small variety, of a clear ivory white, which when grown in masses is very striking; especially for fine bouquets. Price each 75 cents.

**BLETHIA HYACINTHIANA.**

This hardy terrestrial Orchid looks most gorgeous when planted in a half shady situation, it bears tall flower spikes, with either red or white blossoms. Leaves long. Price for red 75 cents.

White, very rare. Price \$1.00.

### CALLANTHE BICOLOR.

Greenish purple and white, very pretty spring flowering terrestrial Orchid. Large flowering variety, very rare and most gorgeous. Price \$2.00.

### DENDROBIUM JAPONICUM.

A very fine flowering cool house variety, covered in Spring with masses of white flowers, sometimes tinted rose, yellowish or lilac: well adapted for florists. Beautiful for window gardening. Price from 50 cents to \$1.50, according to size of clump.

### GOODYERA SCHLECHTENDALIANA.

A very handsome small orchid, variegated foliage, cultivated on account of the beauty of foliage more than flowers. Price 50 cents.

### HABENARIA RADIATA. (IN VARIETIES.)

Terrestrial, small interesting Orchid. White and yellow. Price 50 cents.

### PHAJUS GRANDIFOLIIS.

A very handsome Orchid known as Blethia Tankerville; produces tall spikes of white and lilac flowers. Very fine for window gardening. Out doors in warm climate. Price for full pot \$2.00 to \$3.00.

### PHAJUS MACULATUS.

Same as above, foliage is spotted yellow. Flowers are a bright golden yellow with brown lip. Price full pot \$2.00 or \$3.00.

## FERNS.

Japan boasts of a variety of ferns, some have never yet been introduced, we will here mention only one new variety, which promises to be a most valuable acquisition.

### GLEICHENIA GLAUCA.

Attains a height of 5 feet with glaucous lower very glossy upper leaf. Very beautiful, difficult of propagation, Hardy in temperature 20° above zero. Price \$5.00.

### GLEICHENIA DICHOTOMA.

A variety of above with smaller fronds, most beautiful for rock work. Price \$3.00.

All Japanese ferns are very hardy, we will send sets of ten of the better known at..... \$3.00 per set.

Ten of rarer sorts.....\$5.00 per set.

Twenty-five different sorts, all fine varieties strong plants.....\$10.00.....

### TREE FERNS, (CYATHEA SPINULOSA.)

And other varieties from Riu Kiu, never before introduced. These attain in their native island a height of 50 feet and over. Most elegant for conservatory. Plants from 1-4 feet high, strong and well rooted, from \$5.00 to \$20.00.

## SELAGINELLA ARBOREA.

A very handsome Japanese variety well adapted for ferneries. Resembles much the "Semper Vivus" can be, though perfectly dried out and apparently dead, revived, by being placed in water. Price 25 cents.

We will import this season the fine Australian Tree ferns *Dicksonia squarrosa*, *Cyathea dealbata*, *Cyathea medullaris*, *Hematehia Smithii*; fine healthy trunks, with roots and crowns well developed from 2-5 feet, Prices on application.

## THE BAMBOO.

There is probably no plant in the world that can be put to so many uses as the Bamboo. In the countries where it grows it is employed for houses, fences hedges, for furniture of every description, for vessels to contain water or other liquids, the knots rendering it easily adapted for the purpose, for boats and rafts, for fuel, while the young shoots are boiled and eaten as a vegetable. As a shade and ornamental tree it is unsurpassed in grace and beauty.

The Bamboo is found on the Eastern Coast of Asia, everywhere between the equator and the 30th or 40th degree of latitude. After disappearing from the Coast, it is still found on the islands north as far as Yokohama where the winters are as severe as in Southern Pennsylvania.

Of the many varieties, indigenous to the soil of Asia, the Mosotake is the most useful. This variety is the true Giant Bamboo, called so on account of its height, as it attains at times 30-40 feet. The thickness of stem depends on number of years the Bamboo is planted. Every year up to a certain thickness which it, does not surpass the shoots come out of the ground, stronger and thicker in girth. The variety Mosotake attains a thickness of from 6-8 inches in diameter. It takes from 5-8 years for a Bamboo plantation to establish itself thoroughly and get its full growth in size and dimension. The shoots the first year will appear about the size of a man's finger, the second and third year they will be from 1 to 2 inches in diameter, the fourth and fifth, from 3-4 inches and so on until the full size is reached. This Bamboo requires a rich, deep, loose soil, vegetable mould is the best. Moisture until well established is indispensable.

The Bamboo is a plant of incredible tenacity of life and vigor; once rooted in the soil, it is there for all time or until every vestige of root fibre is eradicated. It extends its roots in all directions and grows as fast, almost laterally under ground, as its shoots do above. When the shoots make their appearance so rapidly do they grow that the ground is raised and broken about them.

The usefulness of this grand plant is not by far acknowledged, the time will come, when, our timber getting scarcer, we will turn to the Bamboo in its stead and will then find it a faithful and valuable substitute.

For fences, for trellis work, vine stakes, hop poles, bridges over small water courses it is invaluable. They form the best "wind break" possible, and

do not take so long to grow as pine trees, as they attain about 10 feet the first year from roots, and shoot forth so dense as to form a perfect protection from winds.

Pot grown plants are safest for transplanting, but root cuttings if kept moist and attended until fairly well established are equally to be recommended. Pot plants 50 cents to 75 cents. Roots 10 for \$2.00.

### FANCY AND ORNAMENTAL VARIETIES OF BAMBOO.

These attain a height varying from 1 to 6 or 8 feet, and are of all sorts. Some with variegated foliage, others with variegated or curiously shaped stems, black, square, twisted, green and yellow striped etc. These are useful for canes, ornamental furniture, easels, bookcases, tables, brackets, etc.

As ornaments for the lawn and garden, they are also highly valuable. Pot grown plants, each \$1.00 to 1.50.

### ARUNDINELLA ANOMALA (SHIBA GRASS).

This species of grass, highly to be recommended, requires cutting but twice a year, and forms the finest closest lawn in Japanese gardens. Its close growth suffocates weeds. Never grows higher than 3-4 inches. We can furnish it in sods, as seed can be obtained of this variety only with great difficulty. Sodds laid on prepared ground and well watered will form a compact and beautiful lawn in a short time. The color is a beautiful glaucous green. Square of ten feet \$2.00.

## FRUIT TREES.

At the head of Japanese fruits stands without doubt the Persimmon, whose value is getting wider known every year, as table fruit it is delicious, and dried it equals, if not excels the fig. We have discarded all varieties but the best, our stock is all raised in our own Nurseries, grafted upon seedlings raised from selected seed of particularly vigorous growth. We export valuable stock only, and are responsible for all we sell to our customers. Inferior stock has been exported from Japan and sold by unscrupulous parties, thereby discouraging many. The varieties purchased from us will in every case prove satisfactory. Varieties for table use which can be eaten fresh from the tree are:

1. Dai Dai Maru, round, red, very crisp and juicy.
2. Zenji Maru Fruit medium sized, round, skin red, marked with black at the end when quite ripe. Flesh crisp, rusty brown, best when touched somewhat by frost, one of the best for table use.
3. Kuro-Kume—fruit medium, large oblate, somewhat four sided, skin yellowish red, flesh orange, hardly any seeds; juicy and sweet. Excellent quality.
4. Hyakume—Fruit very large size, roundish oblate. Skin, vermilion red; shows black at the end when ripe. Fleshy, few seeds. Flesh, rusty brown with

many purplish brown dots, juicy, very delicious, superior to any other variety; ripens end of October.

5. Yedo—ichi—fruit large roundish oblate. Skin vermillion; one of the best.

6. Tsuru—Noko—a smaller fruit than the above, but very fine flavor and excellent for table use.

Yemon is a variety which, to lose its natural astrigency, and to become delicious, has to be placed in an empty liquor cask or barrel, after being taken off the tree, covered tightly with a lid, and left thus for ten or fifteen days, when they are fully ripe. A small quantity of strong liquor poured over them improves the flavor greatly, about a table-spoon full per gallon. The fruit ripens without this process in time, but never is as delicious.

Hachija fruit very large, oblong, skin rich red, black at the end when ripe almost seedless. Can be prepared like Yemon.

Tane Nashi or Seedless, very similar in shape to Hachija, skin a bright yellow, this variety as well as Hachija is exclusively used for drying.

The best soil for Persimmon is a clayey loam, they require manuring once in the middle of Winter; the manure is best applied in a circular furrow dug on the ground around the trunk of each tree, they must be pruned each alternate year in early Spring, or in the Autumn harvest season; the pruning may be done by breaking off the branches with the hand, not using any knife, as this tree should not be touched with iron. The best varieties of Persimmon are propagated by grafting only, seedlings are very slow in bearing, and the fruit they bear is very astrigent.

The wood of this tree is highly valuable, being of color and consistency of ebony in old trees. 3-5 feet strong trees 25 cents each, 5 for \$1.00.

### JAPANESE PLUMS.

The varieties here mentioned are the only ones indigenous to Japan and of any value.

#### BOTANKIN (BETTER KNOWN AS KELSEY PLUM).

A large heart shaped greenish red plum, small pits, very juicy, vinous flavor. Each 25 cents, 10 for \$2.00.

#### HATTANKIN.

Same as above, in shape, but color or bloom of fruit a greenish yellow. Each 25 cents, 10 for \$2.00.

### TWO VARIETIES OF NAGATE.

1. One round red, called Botan. Very sweet and delicious.
2. Oblong yellow called Ogon. Each 25 cents, 10 for \$2.00.

#### SHIRATA BENE (OR UWASE).

Flesh of this plum is blood red, also called Blood Plum, fine flavor. The fruit itself is large and ripens about July. Each 50 cents, 10 for \$4.00.

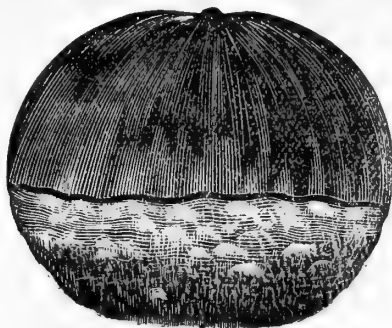
# YOSOBE.

Round, yellowish red, medium, early. Each 50 cents, 10 for \$4.00.

**SHIRO SMOMO**, (OR WHITE JAPAN PLUM.)

Resembles a Greengage; fine for table and excellent for preserving. Each 50 cents, 10 for \$4.00.

## \* JAPANESE MAMMOTH CHESTNUT.



Is remarkable for its great size and fine flavor; in these respects being superior to the European varieties. The tree is similar in habit of growth to the Italian Chestnut; it is a handsome, sturdy, healthy tree, one of the most useful that can be grown; it grows in Northern Japan and has proved to be sufficiently hardy almost anywhere in the United States.

Many people are deterred from planting nut-bearing trees, from the thought that fifteen or sixteen years have to elapse before bringing the tree into bearing condition; while in fact, the Japan Mammoth Chestnut tree bears fruit at three or four years of age. The size of the nut is remarkable, some weighing 1½ oz. No nut tree in cultivation promises to be more remunerative.

H. H. Sanford of Thomasville Ga., who has bought all his stock of Mammoth Chestnut trees, from us recommends them highly. Care has to be taken in purchasing these trees to be sure of receiving the true "*Mammoth Variety*" as many inferior trees bearing small nuts are exported from Japan, and palmed off as "*Giant Chestnut*." The difference in very young trees can be seen in the leaf, which is larger in the Mammoth than in the ordinary Chestnut. Each 50 cents, 10 for \$4.00.

## LOQUAT JAPONICA, (JAPAN MEDLAR)

An evergreen tree blooming in October and November, bears bunches of yellow fruit in May and June. The fruit is the size of a medium plum, of a very agreeable vinous flavor; tree bears most profusely. Each 50 cents, 10 for \$4.00.

\* "I planted about 50 of the trees I got of you last season; some of them have matured fruit already, and I had it on exhibition last week at the Georgia State Horticultural Society at Dalton Georgia, H. H. Sanford & Co., Thomasville, Georgia. August, 1887."

**THE GIANT LOQUAT.**

Is a tree of the same family, but coming from some islands South of Japan bears a larger fruit. Each \$1.00 ten for \$7.50.

**PRUNUS TOMENTOSA.**

A most peculiar Japanese cherry plum, forms a medium sized tree, 8 to 10 feet high, can be trained into any shape, but grows naturally in form of a bush, covered in spring with red fruit size of a small cherry, the stone is very small the flesh is sweet with a subacid flavor. Excellent for preserving, and a nice table fruit. Each 75 cents.

**CHINESE QUINCE, (MARU-MERO)**

This tree if properly trained attains the size of a medium sized pear tree, it is very hardy. The fruit attains a remarkably large size; 15-20 inches in circumference and from 6-8 inches in length, and of a superior fine flavor. Should be largely planted. Each 50 cents, 10 for \$4.00.

**ELEAGNUS PUNGENS, (GOURMI FRUIT.)**

The leaves of this shrub are evergreen, the under side white, covered in May with an abundance of clusters of yellowish green flowers, later in season oblong red fruits like cranberries, which owing to their subacid qualities are in Japan made into a very fine preserve. Each 50 cents.

**LIT-CHI, (STRAWBERRY TREE.)**

This tree comes from China, it bears fruits resembling on the outside large strawberries, the pulp of which surrounds a very soft shell containing a kernel round which is the flesh of the fruit, the taste of which is sweet and highly aromatic; this fruit can be eaten raw, and is exported largely from China when dry. Only pot grown plants are safe to transplant. Very rare as yet. Each \$5.00.

**PYRUS MALUS. (VARIETY TOMENTOSA.)**

Japanese apple; well adapted for pot culture, bears very profusely. Fruit  $1\frac{1}{2}$  inch in diameter. Price 50 cents.

**PYRUS SPECTABILIS.**

Also a very fine grafting stock for pot culture of fruit trees. Price 50 cents.

**JAPANESE ORANGES.****KIN KAN ORANGE or CITRUS JAPONICA.**

See Picture of Kin Kan Oranges in Pots Page 3.

A variety of Orange the great merits of which are as yet comparatively unknown. The tree forms a medium sized pyramid from 15 to 20 feet high, but can be trained into any shape desired. It is most to be recommended for its superior hardiness, as, if once well established, a temperature of 20° to 15° above Zero Fahrenheit will not injure it, as also for its early and profuse bearing capacity the branches being literally covered with fruit. The fruit itself is oblong, of a bright golden yellow, like a medium sized Egg plum, the rind almost as thin as a cherry's, sweet and juicy, can be eaten with the fruit, the pulp of which is juicy, subacid and very refreshing, it recommends itself mostly for crystallizing



and preserving, but is also eaten fresh from the tree. Cut into halves it is used in Japan during summer as an ingredient for all cooling drinks to which it imparts a delicious flavor. As a plant for pot culture in Eastern climate it cannot be too highly recommended, not being as tender as the other Oranges. No garden or home should be without it, no one who has ever tried it would ever want to lose it. The pictures taken from four year old pot plants speak for themselves.

In California this tree would be invaluable; if planted in open ground the fruits attain a larger size than confined in pots.

Young trees open ground 40 cents. Pot grown, safest to transplant. 75 cents to \$1.00 We have specimen trees from 4 to 8 feet high. Prices on application.

#### **THE KII SEEDLESS ORANGE.**

This is a fine table Orange, the fruit is from 2 to 3 inches in diameter, oblate, of a deep orange color. The rind which is very thin, separates easily from the pulp without use of a knife—the pulp is deep yellow, of a fine flavor, very juicy, with no seeds or but very few, of a late keeping quality, we have eaten this orange in Japan as late as June. The tree can be trained into standard bush or pyramidal shape, it attains a height of 15 to 20 feet. In Japan the bush form prevails and is generally adopted as Typhoons are quite numerous at certain seasons of the year, and thus the trees can not be left to grow as standard. This orange can bear temperature of 25° above Zero. Each \$1.00.

#### **JAPAN SUMMER ORANGE.**

Fruit quite large, round, rind thick, color is a bright yellow the first year, changes to a deep dull yellow the second year. It remains on the tree till the second year; pulp juicy. Good for table use in summer. A rare variety. Price \$1.00 to \$1.50.

#### **JUDZU ORANGE.**

This is a most hardy orange tree, which is cultivated in the colder parts of Japan, a temperature of 20° above Zero will not injure it. The fruit is quite large. It is not a good table fruit in its raw state, but makes an excellent preserve or marmalade, the rind especially being exceptionally fragrant and juicy.

#### **KUNEMBO.**

Fruit rather large, round, rind, thick, pulp very sweet and deliciously flavored. Keeps as late as August. Rare. Price \$1.00 to \$1.50.

#### **CANTON HYBRID.**

A new variety originally from China, has been introduced in our Japanese nurseries a very fine table fruit it is thin skinned, very juicy, rind adheres to pulp; is bright orange yellow of a particularly agreeable subacid flavor, few or no seeds. Price \$2.00.

This variety is as yet the rarest in Japan.

The Japanese Orange family can be recommended for good bearing capacity especially, though in general it never will rank equal to any of the finer sorts of Mediterranean, Florida or Los Angeles oranges. It is well adapted for pot culture trials in small quantities are at first to be recommended.

#### **CITRUS TRIFOLIATA.**

Although not valuable as a fruit tree, this variety has been used as grafting stock by the Japanese for all their Citrus fruits, and has been recognized highly valuable for its hardiness and vigorous growth. It is also highly to be recommended for forming impenetrable hedges being spinuous and of compact habit. Largely used for that purpose in Japan. Price 10 cents to 20 cents.

### **JAPANESE LILIES.**

Strong, sound, well flowering Bulbs, of different sizes.

#### **LIL. AURATUM.**

The golden Lily, very large white Lily with maroon or brown spots; and a golden yellow line in each petal. Small Bulbs 3 for 25 cents; medium, 3 for 40 cents; large, 3 for 50 cents.

#### **LIL. AURATUM RUBRUM VITTATUM.**

A rare and gorgeous lily, very large flower, white with crimson spots and a crimson band in each petal. Price per Bulb \$1 00.

#### **LIL. AURATUM PICTUM.**

A sport of Auratum, white with rosy tipped petals; very beautiful and rare.

#### **LIL. AURATUM WITTEI.**

Clear white Lily, with a yellow band running through each petal. Very striking. Price \$1.00.

#### **LIL. AURATUM VIRGINALE ALBA.**

Same as above, but with raised white dots throughout chalice. Price \$1.00.

#### **LIL. SPECIOSUM ALBUM.**

A magnificent, pure white lily.

Small Bulbs, 3 for 50 cents. Each 20 cents.

Large Bulbs, 3 for 75 cents. Each 30 cents.

#### **LIL. SPECIOSUM RUBRUM.**

Same as above, with crimson spots. Very choice. 3 Bulbs for 50 cents. Each 20 cents.

#### **LIL. TIGRINUM FLORE PLENO.**

A very fine double Tiger lily. Each 20 cents, 3 for 50 cents.

#### **LIL. LONGIFLORUM EXIMUM.**

A very fine, trumpet shaped white Lily. Each 15 cents, 4 for 50 cents.

#### **LIL. LEICHTLINI.**

A very beautiful lily, color a golden yellow. Each 50 cents, 3 for \$1.00.

New red variety of same very rare. Each \$1.00.

#### **LIL. HANSONI.**

A lily of striking beauty. The petals are fleshy, the shape elegant, color golden yellow with brownish spots. Each 50 cents. 3 Bulbs for \$1.00.

**LIL. MEDEOLOIDES.**

A very pretty small red lily with brown dots all over petals. Price 25 cents.

**LIL. AVENACEUM.**

Same as above, clear red.

**LIL. ELEGANS.**

Best red flowered variety, an upright calyx. Each 25 cents; 3 for 50 cents.

**LIL. ELEGANS, ALICE WILSON,**

A rare and beautiful upright golden yellow lily. 25 cents; 3 for \$1.00.

**LIL. ELEGANS FLORE PLENO, (NEW VARIETY.)**

A double flowering fine red variety, inside petals white. 25 cents; 5 for \$1.00.

**LIL. KRAMERI,**

A most beautiful trumpet shaped, pink Lily. 25 cents; 5 for \$1.00.

**LIL. CORIDION.**

A star shaped very handsome small Lily of yellow color with dark dots. Each 25 cents; 5 for \$1.00.

**LIL. CONCOLOR.**

A small bright red lily; particularly fine for bouquets. 25 cents 5 for \$1.00

**LIL. SARANA KAMTSHATKENSE.**

The black Lily—flower is almost black upright, very curious and interesting. Each 25 cents; 5 for \$1.00.

**FRITILLARIA JAPONICA.**

A handsome white and purplish brown flower, disposed in rows on a stem. Very showy. Each 25 cents 5 for \$1.00.

**CHINESE NARCISSUS. .**

So much used for forcing, grows in any vessel with gravel and water. Each 15 cents 4 for 50 cents.

**FUNKIA JAPONICA.**

Beautiful variegated foliage, nearly white with green stripes, handsome purplish flowers. Especially fine in groups or the smaller leaved variety as border. 50 cents.

**LIL. BATEMANNII.**

A pure orange red—medium sized lily. 20 cents, 3 for 50 cents.

**AMARYLLIS JAPONICA.**

Common varieties, each 35 cents. Best and new. Each \$1.00.

**JAPAN LOTUS.**

The beautiful Lotus plant of Japan. No description can convey their beauty. The leaves grow to be over 3 feet tall, and often 3-4 feet broad.

The blossoms are superb. Semi-double, pure white, rosy pink or deeper rose.

But few have been exported as the only successful way to grow them is to export pot grown plants, the mere roots not insuring growth. The value of this beautiful Aquatic plant is as yet not fully known. Well established. \$2.50.

Strong, pot grown plants.

## Seed List for 1887 and 1888.

All seeds can be procured by PACKET when from 25 cents to 50 cents, will be charged according to variety of seed asked for.

We have this season given extensive orders for collection of the choicest Japanese seeds; and can assure our Customers that we will only furnish them the best and freshest, a point which the very climate of Japan makes a necessity; as seeds can there never be kept over the humidity in the air mildewing all the seed.

Those plants marked as *hardy* in our Catalogue are most suitable for Eastern States and outdoor culture there, others are most adapted for greenhouse plants, or may require shelter in winter in cold climates. All will thrive in California and the South. Any information required will be most cheerfully given by us. All orders should be sent in early in season if needed in quantity.

### CHOICE CONIFEROUS SEEDS.

	per oz.	per lb.
<i>Abies firma</i> .....	\$ 50 cts.	
" <i>Veitchii</i> .....	1 00	
" <i>Brachyphylla</i> .....	1 00	
" <i>Sacchalinensis</i> very rare,.....	2 00	
" <i>Mariesi</i> , " ".....	1 50	

All the above are choice varieties of Spruce; of fine compact form, mostly pyramidal growth, highly ornamental for grounds and valuable as timber.

*Pinus Massoniana*, a very large growing pine, remarkable for its fresh bright tint. 75 cts.

*Pinus densiflora* strong growing rich dark massive foliage. One of the finest of all *Pinus*. 75

*Pinus parviflora*, small tree with very glaucous leaves, spreading horizontal, well covered branches. \$1 00

#### (COREAN PINE.)

*Pinus Koraensis*, called in Japan, "The Sea Coast Pine,.....per cone low growing tree with slender leaves. Very hardy and ornamental..... 25 cts.

<i>Picea ajanensis</i> .....	\$2 00	
" <i>alcoquiana</i> .....	2 00	
" <i>microsperma</i> .....		
" <i>polita</i> .....	1 00	
" <i>Glenhii</i> .....	.50	
" <i>Yessoensis</i> , from the island of Yesso.....	1 50	

This is one of the finest and hardiest Firs in existence.

<i>Larix leptolepis</i> ,.....	1 00	
<i>Juniperus rigida</i> .....	75	
<i>Juniperus procumbens</i> .....	75	
<i>Salisburia adiantifolia</i> .....	40	5 00
<i>Sciadopitys verticillata</i> (very light seed).....	1 00	
<i>Torreya nucifera</i> , nut bearing conifer; nuts are edible and considered very fine.....	75	
<i>Thuopsis Standishii</i> , very attractive foliage of a bright green, with a silvery white tinge beneath, branches pendulous; hardy. Looks somewhat like <i>Lycopodium</i> . A beautiful and valuable species.....	1 50.	

	Per Oz.	Per Lb.
<i>Thujaopsis dolabrata</i> .....	1 25	
<i>Cryptomeria Japonica</i> .....	50	
<i>Chamaecyparis obtusa</i> .....	1 25	
" <i>pisifera</i> .....	2 00	
<i>Cephalotaxus drupacea</i> .....	—	

## FOREST TREE SEEDS.

<i>Quercus cuspidata</i> .....	25	3 00
" <i>Burgeri</i> .....	35	3 00
" <i>Serrata</i> .....	25	2 50
Evergreen oak .....	25	3 00

## ORNAMENTAL AND USEFUL TREE SEEDS.

<i>Rhus succedanea</i> Vegetable Wax tree .....	40	3 50
" <i>Vernicifera</i> Lacker tree .....	40	3 50
<i>Sophora Japonica</i> .....	75	
<i>Cinnamomum Camphora</i> .....	50	3 00
" <i>Sericum</i> .....	1 00	5 00
<i>Cornus officinalis</i> .....	40	3 50
" <i>brachypoda</i> .....	60	4 00
<i>Edgeworthia papirifera</i> .....	75	
<i>Elacococa cordata</i> .....	75	
<i>Fagus asiatica</i> , Asiatic Beech. A beautiful tree .....	75	
<i>Honevia dulcis</i> irregular form medium sized shining leaves, small aromatic fruit .....	75	
<i>Magnolia kobus</i> .....	75	
" <i>hypoleuca</i> .....	1 00	
<i>Paulowna Imperialis</i> .....	2 00	
<i>Acer polymorphum</i> .....	75	
<i>Camellia Japonica</i> .....	25	
<i>Ligustrum Japonicum</i> .....	1 00	
<i>Nandina domestica</i> .....	75	
<i>Illicium religiosum</i> .....	50	
<i>Andromeda Japonica</i> .....	75	
<i>Aucuba Japonica</i> , green foliage .....	50	
"    " <i>variegata</i> .....	1 00	
<i>Ternstroemia Japonica</i> .....	75	
<i>Aralia, Fatsia Japonica</i> .....	1 00	
<i>Thea Chinensis</i> TEA PLANT .....	50	3 00

## FLOWER AND OTHER PLANT SEEDS.

<i>Dianthus</i> , a new very large flowering variety from the South of Japan. The flowers are 3 inches in diameter and of the most lovely colors .....	1 00	
<i>Iris kaempferi</i> , not always to be had, depends on season .....	1 00	
<i>Piper Futo kadsura</i> , see page .....	1 00	
<i>Humulus Japonica</i> , JAPAN HOPS. A very attractive climbing plant .....	75	
<i>Shizophragma hydrangeoides</i> , climbing Hpdrangea, very valu- able and fine flowering plant .....	2 00	

	per oz.	per lb.
<i>Nuphar Japonica</i> , most curiously shaped seed; seed in bottles to insure germination. Magnificent aquatic blossoms.		
Five seeds.....	1 00	

## PALM SEEDS.

<i>Cycas Revoluta</i> , 10 seeds.....	1 00	
<i>Arenga Palm</i> , very beautiful palm, growing on the Southern Islands of the Pacific, 10 seeds.....	1 00	

## FRUIT TREE SEEDS.

Giant Chestnut, the true Mammoth. Do not be satisfied with small nuts. The true Mammoth weighs about 1 ounce, sometimes over.....		50
<i>Juglans Sieboldii</i> the Japan Walnut, will thrive on almost any soil, should be largely planted. Very prolific and early bearing.....	1 00	
<i>Loquat Japonica</i> .....	75	
<i>Giant Loquat</i> .....	50	1 00
Pear seed cannot be certain about crop of the desirable kind, if season is prosperous.		
<i>Vitis Labrusca</i> . the wild vine of Japan; never affected by disease of any kind; extremely hardy, grows in the North of Japan.....	75	
<i>Citrus trifoliata</i> Seed.....	25	2 00
Persimmon Seed.....	25	3 00
Black Mulberry seed from the Mountains.....	50	5 00

## JAPANESE VEGETABLE SEEDS.

<i>Onions</i> , of a peculiarly agreeable flavor without the rankness of some varieties, sweet tasting of very vigorous growth, shape more oblong than round; can be well recommended. Give it a trial.....	50	
<i>Capsicum anoum</i> , the red Pepper of Japan; this pepper is of a longish shape, the plant is very prolific in bearing, the flavor delicious.....		1 00
<i>Squash</i> , most to be recommended for its keeping quality, ripens in July and keeps until May the following year. Very sweet.....		25
<i>Cucumber</i> , Heshima, very long fruited, yellowish tinge; agreeable.....		50
The different varieties of Soya Beans, all of which are highly nutritious and equal if not superior in flavor to our well known varieties. The Japanese, being in a great measure entirely dependent on vegetable food pay a great deal of attention to the perfecting of this article of consumption...		30

## FIELD SEEDS.

<i>Clover seed, Lespedezia Striata</i> , much demand has been made for Japan clover which thrives on the poorest soil.....	10	30
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	per oz.	per lb.
<i>Japanese Buckwheat</i> . Peter Henderson praises the Japanese Buckwheat very highly, it is very prolific and much to be recommended .....		35
<i>Upland Rice</i> , will grow without irrigation, contrary to the low land field rice.....		20
<i>Gossypium Indicum</i> , the Japanese Dwarf cotton plant; all the cotton stuffs worn by Japanese are spun from this plant....	10	75
<i>Nicotiana Tabaccum</i> , variety <i>Macrophyllum</i> the Japanese Tobacco Plant, furnishing all tobacco smoked by Japanese; vigorous growth.....	75	

ORNAMENTAL PLANT SEEDS.

<i>Rotlera Japonica</i> , beautiful tree with white flowers, very ornamental .....	75
<i>Lindera umbellata</i> , foliage of this tree is most beautiful, red shiny berries.....	75
<i>Viburnum Sandankwa</i> , a beautiful deciduous tree, flowers white, covered with red berries in winter.....	60
<i>Ehretia macrophylla</i> a beautiful foliage tree.....	60
SYRINGA JAPONICA. See page 6. ....	2 00



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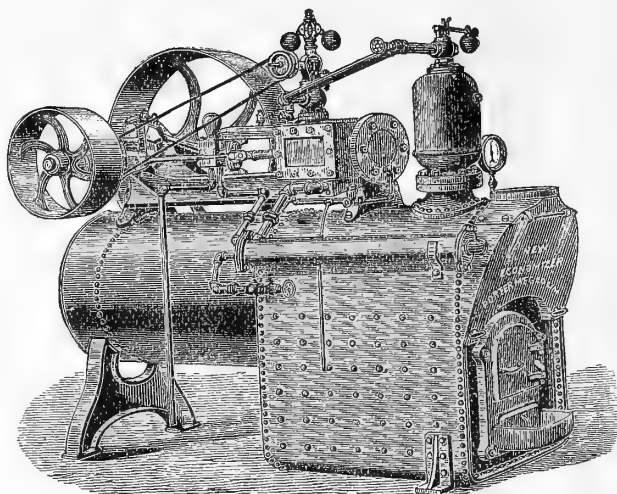
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“Boggs & Clark” Centrifugal Pumps

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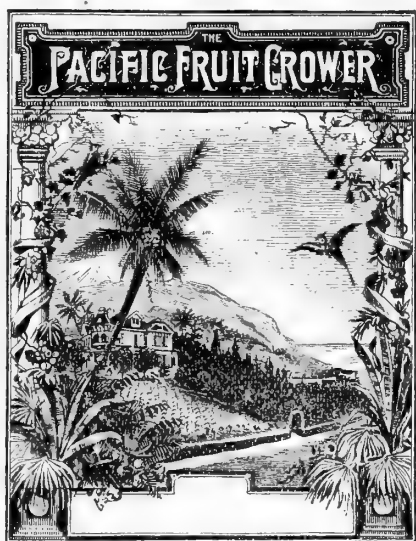
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# GARDEN IMPLEMENTS.



No. 1. Pruning Knife. Price, \$1.50.



No. 2. Pruning Knife. Price, \$1.25.



No. 3. Pruning Knife. Price, \$1.00.



No. 1. Budding Knife. Price, \$1.00.



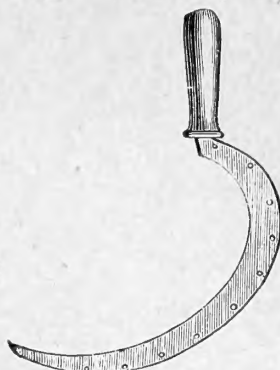
No. 2. Budding Knife. Price, \$1.00.



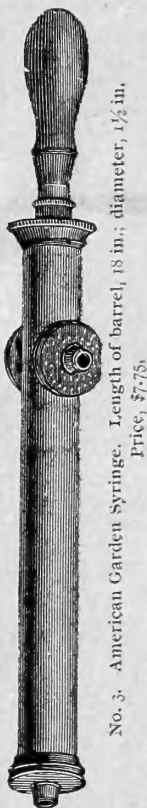
No. 3. Budding Knife. Price, \$1.00.



No. 4. Budding Knife. Price, \$1.50.



Patent Grass Hook.  
No. 1, 75c.; No. 3, \$1.00.



No. 3. American Garden Syringe. Length of barrel, 18 in.; diameter, 1½ in.  
Price, \$7.75.



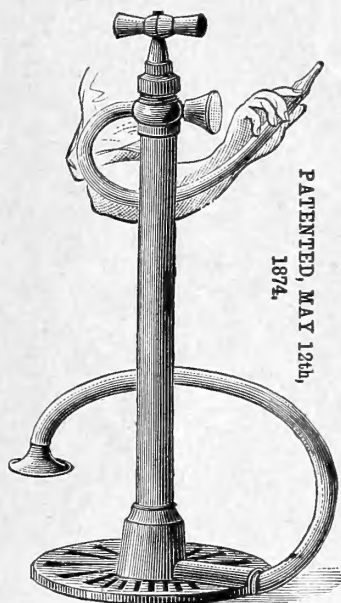
American Garden Syringe. Universal Nozzle. Length of barrel, 18 in.; diameter, 1½ in. Price, \$8.50.



Garden Trowel.  
Price, 25c. to \$1.25.



Grass-Plot Edging Knife.  
Price, \$1.75.



"THE EXCELSIOR PUMP."

Price, \$8.50.

PATENTED, MAY 12th,  
1874.



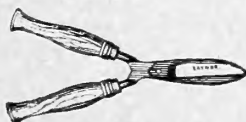
Border Shears, with wheel.  
Price, \$3.00.



Border Shears, without wheel.  
Price, \$2.50.



Generva Pruning Shears.  
Price, \$2.50.



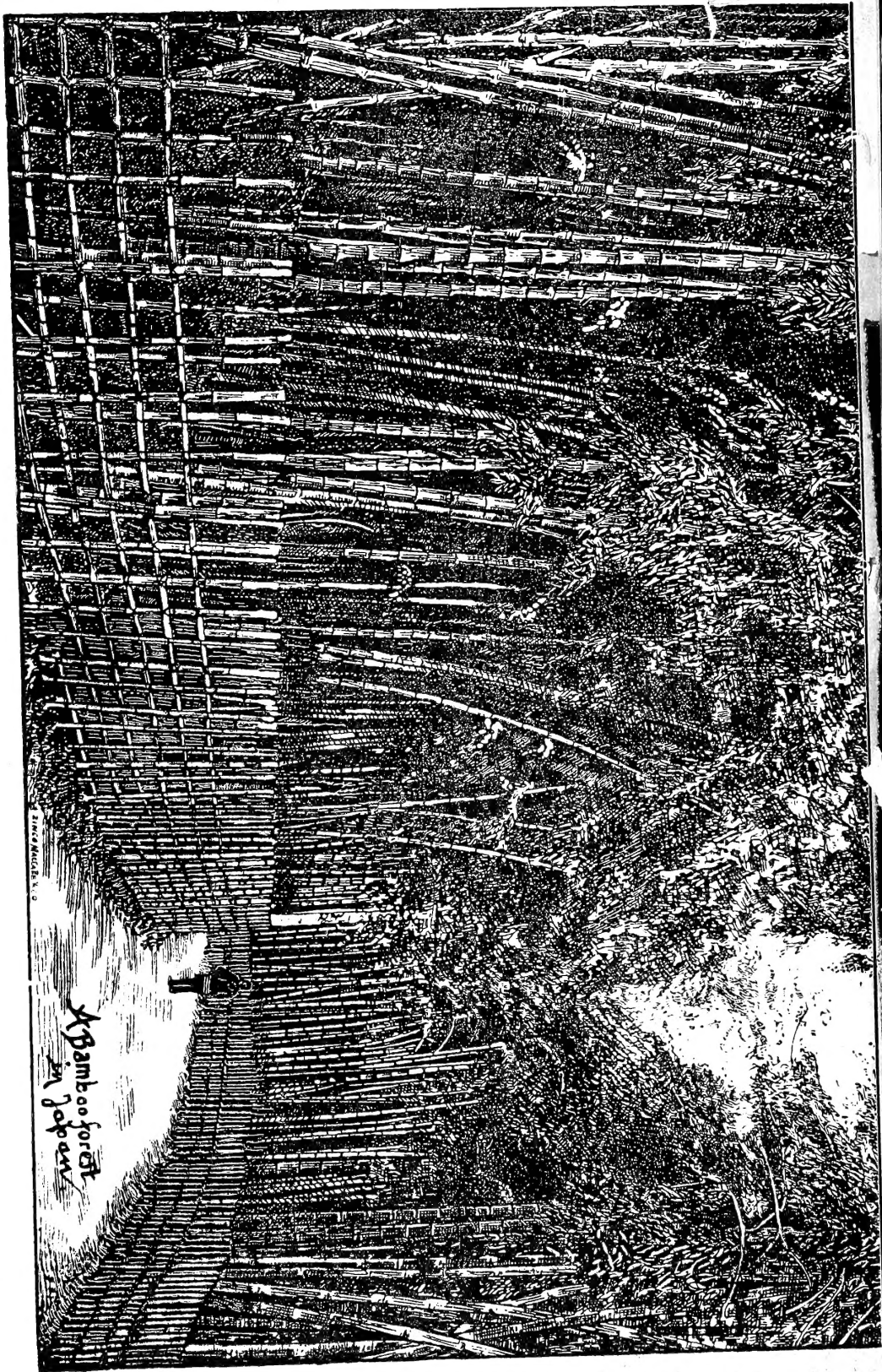
Ladies' Pruning Shears.  
Price, \$2.50.



Excelsior Weeder.  
Price, 25c.







1912

A Bamboo forest  
in Japan